verizon

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March 17, 2022

Ms. Danielle Miles
Assistant Engineer, Division of Environmental Remediation
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, NY 14414-9516

Re: Pre-Design Investigation Report
Former Philips Display Components Facility, Seneca Falls, New York
Facility USEPA ID # NYD002246015
NYSDEC Site # 850003

Dear Ms. Miles:

Please find attached the *Pre-Design Investigation Report* ("PDI Report") for the former Philips Display Components facility in Seneca Falls, New York. The PDI Report presents the results of PDI activities conducted in 2020 and 2021 at the Site following the procedures in Section 3 of the May 2020 Corrective Action Work Plan. PDI activities included:

- Soil sampling within the historical outfall ditches to further delineate the extents of unsaturated zone soil with cadmium concentrations exceeding applicable NYSDEC soil cleanup objectives ("SCO") and develop preliminary limits of excavation and/or capping.
- Soil sampling within Area of Concern ("AOC") 1 to delineate the vertical and horizontal extents of unsaturated zone soil with trichloroethene (TCE) concentrations exceeding the commercial SCO and develop preliminary limits of excavation.
- Advancement of soil borings in AOCs 1 and 3 to delineate the vertical and horizontal extents of dense non-aqueous phase liquids and develop preliminary extents for in-situ thermal remediation.

Preliminary bases of design for soil remedial activities presented in the PDI Report will be used to prepare a Pre-Final (95%) Remedial Design, which we anticipate submitting in approximately 6 months. In the meantime, please let me know if NYSDEC has any questions or comments regarding the PDI findings that may need to be addressed in the Pre-Final (95%) Remedial Design.

Sincerely,

Matthew T. Walsh
Manager – Corporate Environment, Health and Safety

Attachments
Pre-Design Investigation Report

ec:

Mr. Eamonn O'Neil (NYSDOH)
Mr. Andy Park (USEPA)
Mr. Charles Harewood (USEPA)
Mr. Stephen Bregande (Seneca Falls Specialties & Logistics Company, Inc.)
Mr. J. Christopher Woods (Seneca Falls Specialties & Logistics Company, Inc.)
Mr. Anthony Halling (Philips North America LLC)
Mr. Mark Flusche (Arcadis U.S., Inc.)

GTE Operations Support Incorporated

Pre-Design Investigation Report

Former Philips Display Components Facility
Seneca Falls, New York
USEPA ID No. NYD002246015
NYSDEC Site No. 850003

March 17, 2022

Pre-Design Investigation Report

Former Philips Display Components Facility
Seneca Falls, New York
USEPA ID No. NYD002246015
NYSDEC Site No. 850003

March 17, 2022

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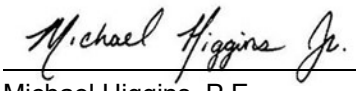

Michael Higgins, P.E.
Principal Environmental Engineer

I, Michael Higgins, certify that I am currently a NYS registered professional engineer and that this Pre-Design Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

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Acronyms and Abbreviations

AOC	Area of Concern
Arcadis	Arcadis of New York, Inc.
bgs	below ground surface
Canal Corporation	New York State Canal Corporation
CAWP	Corrective Action Work Plan
DNAPL	dense non-aqueous phase liquid
DyeLIF	dye-enhanced laser-induced fluorescence
EM	electromagnetic
HO	historical outfall
IDW	investigation-derived waste
ISTR	in-situ thermal remediation
mg/kg	milligram per kilogram
NYSDEC	New York State Department of Environmental Conservation
OU	Operable Unit
PDI	pre-design investigation
PDI Report	Pre-Design Investigation Report
PID	photoionization detector
PMP	pressure monitoring point
ppm	part per million
RCRA	Resource Conservation and Recovery Act
RE	reference emitter
RF	radio frequency
SCO	soil cleanup objective
Site	former Philips Display Components Facility, in Seneca Falls, Seneca County, New York
TCE	trichloroethene
TCL	target compound list
TCLP	toxicity characteristic leaching procedure
TMP	temperature monitoring point
USEPA	United States Environmental Protection Agency
UV	ultraviolet
VOC	volatile organic compound
XRF	x-ray florescence

1 Introduction

Arcadis of New York, Inc. (Arcadis) has prepared this *Pre-Design Investigation Report* (PDI Report) for the former Philips Display Components Facility at 50 Johnston Street, Seneca Falls, New York (the "Site") on behalf of GTE Operations Support Incorporated for submittal to the New York State Department of Environmental Conservation (NYSDEC). This PDI Report summarizes pre-design investigation (PDI) activities conducted in 2020 and 2021 at the Site following the 2020 Corrective Action Work Plan (2020 CAWP; Arcadis 2020) approved by NYSDEC on April 13, 2020. The objective of the PDI was to collect data in areas targeted for unsaturated soil or dense non-aqueous phase liquid (DNAPL) corrective actions and develop preliminary bases of remedial design.

The 64.2-acre Site consists of an approximately 13-acre complex of interconnected buildings, constructed between 1914 and the 1970s, and 51 acres of asphalt parking lots and roadways, grassy areas, and woods. The Site location is shown on Figure 1. Residential and undeveloped properties surround the Site to the west, north, and east. Adjacent to and south of the Site is the Cayuga-Seneca Canal, which is part of the New York State Barge Canal that includes Van Cleef Lake and portions of the Seneca River. The canal and some adjacent land is owned by the New York State Canal Corporation (Canal Corporation).

The Site is organized into two operable units (OUs). OU1 is defined in the Statement of Basis (NYSDEC 2018) as the on-site area where Resource Conservation and Recovery Act (RCRA) corrective actions are being performed. OU2, which comprises both on-site and off-site areas, consists of historical outfall ditches and canal sediments. The Site also has five Areas of Concern (AOCs) that were identified during the 2013 corrective measures study (Arcadis 2013). These AOCs were identified based on both the nature and extent of constituents of potential concern at the Site and the solid waste management units that needed to be addressed following the 2002 RCRA facility investigation (URS 2002).

The 2020 CAWP identified corrective actions for AOCs 1, 3, and 5 (Figure 2). AOCs 1 and 3, which are the Building 2 and 11 areas, respectively, are in OU1. AOC 5, which comprises the historical outfall ditches, is in OU2. PDI activities conducted in these AOCs in 2020 and 2021, in order of completion, were:

- Soil sampling within the historical outfall ditches to further delineate the vertical and horizontal extents of unsaturated zone soil with cadmium concentrations exceeding applicable NYSDEC soil cleanup objectives (SCOs) and develop preliminary limits of excavation and/or capping in AOC 5[1].
- Soil sampling within AOC 1 to delineate the vertical and horizontal extents of unsaturated zone soil with trichloroethene (TCE) concentrations exceeding the commercial SCO and develop preliminary limits of excavation.
- Advancement of soil borings in AOCs 1 and 3 to delineate the vertical and horizontal extents of DNAPL and develop preliminary extents for in-situ thermal remediation (ISTR).

[1] Soil in the historical outfall 3 ditch with concentrations exceeding the respective commercial soil clean up objective is currently proposed to be addressed by a cover system anticipated to consist of a concrete cap, as discussed in Section 2.3.

This PDI Report summarizes the results and conclusions of these PDI activities and provides:

- Updated figures showing surveyed locations of aboveground and underground utilities;
- Soil descriptions and boring logs;
- Laboratory analytical results and laboratory analytical data validation documentation;
- Hydraulic conductivity testing results;
- Lines of evidence used to delineate DNAPL;
- Waste pre-characterization results for soils in the historical outfall ditches; and
- Figures and tables summarizing the nature and preliminary extents developed for soil excavation, soil capping, and ISTR.

The remainder of this PDI Report is organized as follows:

- Section 2 – Historical Outfall Pre-Design Investigation Summary. Summarizes PDI investigation activities and results in AOC 5 and the preliminary basis of remedial design for addressing exceedances of the cadmium SCOs in unsaturated soil in this AOC.
- *Section 3 – Operable Unit 1 Pre-Design Investigation Summary*. Summarizes the PDI investigation activities and results in AOCs 1 and 3 and the preliminary basis of remedial design for addressing DNAPL in these AOCs.
- *Section 4 – Conclusions and Updated Design Schedule*. Presents the overall conclusions of the PDI and an updated remedial design schedule.
- *Section 5 – References*. Lists the references cited in, and used to prepare, this PDI Report.

2 Historical Outfall Pre-Design Investigation Summary

The 2020 CAWP summarized the planned remedial strategy for the historical outfall ditches. PDI activities were performed to develop a preliminary basis of remedial design for unsaturated zone soils in the historical outfall ditches with cadmium concentrations exceeding applicable NYSDEC SCOs. The commercial cadmium SCO of 9.3 milligrams per kilogram (mg/kg, or parts per million [ppm]) applies to on-site soil, and the residential cadmium SCO of 2.5 mg/kg (or ppm) applies to soil on the Canal Corporation property southeast of and adjacent to the Site.

In this PDI Report, the historical outfall ditches are referred to by "HO" followed by the historical outfall number (e.g., the ditch associated with historical outfall 2 is referred to as HO2). During the PDI, data were collected in six ditches associated with historical outfalls: HO2 through HO7 (Figure 2). Cadmium was reported in soil collected from these ditches during previous investigations (Arcadis 2013).

Historical outfall ditches HO2 through HO5 are south and east of the Site buildings on a steep embankment between Johnston Street and the Cayuga-Seneca Canal with portions within the 100-year canal floodplain. The heads of these historical outfall ditches are just downhill from the former outfall discharge points, which are several feet lower than the elevation of Johnston Street. The former outfall discharge points associated with HO3 and HO5 are covered by soil and/or debris. Historical outfall ditch HO2 is aligned toward Van Cleef Lake, and historical outfall ditches HO3 through HO5 are aligned toward the Cayuga-Seneca Canal. Historical outfall ditches HO6 and HO7 are northeast of the Site buildings and merge into a single drainage swale near the perimeter access road. This combined drainage swale, referred to in this PDI Report as historical outfall ditch HO6/7, continues to the east along a gradual slope toward the Cayuga-Seneca Canal (Figure 2).

The results of the PDI were used to identify preliminary extents of unsaturated soil to be excavated or capped. Final extents will be determined in the Pre-Final (95%) Design. The PDI field work, findings, and preliminary basis of remedial design for each historical outfall ditch are summarized in the following subsections.

2.1 Fieldwork Summary

PDI field activities at HO2 through HO7 consisted of the following:

- Conducting an initial topographic survey of each historical outfall ditch and surrounding area;
- Performing reconnaissance to review the extent and nature of the outfall ditches and mark planned sampling locations;
- Clearing brush within and around the historical outfall ditches for access to conduct soil sampling;
- Locating utilities near the planned sampling locations;
- Collecting soil samples for screening with a portable x-ray florescence (XRF) analyzer and for laboratory analysis of cadmium;
- Collecting investigation-derived waste (IDW) samples for laboratory analysis and arranging for proper disposal of IDW; and
- Surveying soil sampling locations.

The topographic survey was completed between April and August 2019, and the remaining AOC 5 PDI field activities were completed between March and November 2020.

Before conducting the topographic survey, a work permit was obtained from the Canal Corporation.[2] Portions of historical outfall ditches HO3 through HO5 are on property owned by the Canal Corporation. Brush clearing was performed first, and then the topographic survey was completed. One-foot topographic contours were mapped within the entire survey area. Infrastructure within and around the historical outfall ditches, including the location and invert elevations of manholes and catch basins, was also surveyed as part of this effort. Figures 2 through 7 show the surveyed extents of the historical outfall ditches and nearby infrastructure.

Site reconnaissance activities were completed in March 2020 under a new work permit issued by the Canal Corporation.[3] Each historical outfall ditch was inspected, including those portions of HO4 and HO5 that are within the 100-year canal floodplain. Field observations were then used to divide each ditch into segments with similar soil types and slope characteristics, and planned soil sampling locations were marked using wooden stakes.

Sampling locations were selected in a manner consistent with the procedures specified in Section 3.4.1 of the 2020 CAWP. One soil sampling location was marked in each ditch segment at a location near the center of the ditch cross section (i.e., the base of the channel where historical outfall discharge was assumed to have flowed). The following locations were adjusted slightly from those listed in the 2020 CAWP based on the actual surveyed extents of the historical outfall ditches and observed field conditions:

- In HO4, sampling locations were adjusted to reflect the bifurcated ditch in the upper portion of HO4. One sample location was added to those listed in the 2020 CAWP.
- In HO5, the northernmost sampling location listed in the 2020 CAWP was deemed not necessary because the northern portion of the ditch was discovered to be filled with debris, including large concrete slabs that prevented sampling and which make excavation infeasible.
- In HO5, sampling locations were adjusted to reflect the single HO5 ditch in the 100-year canal floodplain. Specifically, one sample listed in the 2020 CAWP was deemed not necessary because the ditch was originally assumed to split into two ditches but it does not; this sample location was instead moved to the single HO5 ditch within the 100-year floodplain.
- In HO6/7, sampling location HO67-DITCH-04 was moved from immediately east of the 30-inch-diameter concrete culvert under Johnston Street to approximately 50 feet east of the culvert due to the presence of persistent pooled water during sampling activities at the originally planned sampling location.
- In HO6/7, sampling location HO67-DITCH-08 was added between locations HO67-DITCH-04 and HO67-DITCH-05 to further delineate the area east of the culvert.

Final sampling locations within the historical outfall ditches are shown on Figures 3 through 7.

Utility location activities were performed in July 2020 immediately before sampling. They included visual observations, review of Site utility maps, and use of electromagnetic (EM) induction, metal detection, and radio frequency (RF) detection to locate underground utilities. Underground utility location services were completed in accordance with American Society of Civil Engineers Standard 38-02, Quality Level “B” results.

[2] This work permit was effective from April 12, 2019 through September 30, 2019.
[3] This work permit was effective from March 9, 2020 through December 31, 2020.

Site utility maps showed no subsurface utilities within the historical outfall ditches. Nonetheless, each ditch was scanned with an EM/RF receiver using multiple frequencies to scan for any active power or communication signals. Each ditch was also scanned for linear metal anomalies indicative of potential buried utilities. A gas line north and east of HO2 was located by inducing a frequency in the conductive pipe, which was then traced using RF detection methods. All findings were marked at ground surface with color-coded flagging. Additionally, before conducting subsurface intrusive activities, Dig Safely New York was contacted to perform utility mark-outs and underground utility clearance. The Dig Safely utility mark-outs were confirmed by Arcadis.

Soil sampling was conducted primarily during July and August 2020, with some additional sampling in September and November 2020. After clearing each sampling location of rocks, debris, and vegetation, borings were advanced using manual methods (i.e., shovel, hand auger, or slide hammer direct-push tooling) and soil sampling was performed at 6-inch intervals following the procedure outlined in the decision flowchart on Figure 8. When field staff were unable to advance a boring further using hand tools or when manual direct-push tooling failed to advance after at least 75 blows from a 30-pound slide hammer, refusal was noted on the boring log. When refusal was encountered in a boring at a depth 1 or more feet shallower than nearby borings within the same ditch, adjacent step-out borings were advanced to either confirm the depth of refusal, or (if sampling could proceed deeper in a step out location) until sampling was completed generally following the flowchart on Figure 8. Refusal was confirmed at three sampling locations. Samples were not collected from below the water table because soils from this depth will not be excavated as part of the final remedy; however, saturated soil samples were collected from shallower depths in portions of HO6, HO7, and HO67 that contained standing or flowing stormwater during the sampling event. Because the entirety of these three ditches contained stormwater during the 2020 sampling event, slide hammer direct-push tooling was used to collect samples of the saturated soils from these locations.

Soil from each 6-inch sampling interval was described and composited, and then headspace screening for volatile organic compounds (VOCs) was performed using a photoionization detector (PID). Soil descriptions and PID screening readings are tabulated in Appendix A. Next, samples were field screened using a portable Thermo Scientific Niton XL5 XRF analyzer that was calibration-checked daily using a standard reference material containing 500 ppm cadmium.[4] At each boring location, XRF screening was performed on a sample from the shallowest interval first. If XRF field screening results for this sample indicated a cadmium concentration exceeding the applicable SCO, soil samples from increasingly deeper intervals were screened until an XRF screening result equal to or less than the cadmium SCO was observed or all samples from all target intervals had been screened. When the XRF screening result for soil from the deepest target interval exceeded the SCO, samples from increasingly deeper intervals were screened until a result equal to or less than SCO was observed, the water table was reached, or refusal was encountered.

Before XRF screening, soil samples were dried for at least two hours at a temperature between 150 and 175 degrees Celsius, cleared of organic debris and rocks, and homogenized. XRF screening was performed by placing an aliquot of the dried homogenized soil in either a nylon XRF sample cup with a mylar cover or a thin-walled plastic bag, placing the container on the XRF test stand, and performing a three-minute screening. The three-minute screening period was selected to achieve a cadmium detection limit of at least 2 ppm for all samples and reduce the instrument-reported 2-sigma error[5] to 1 ppm for all but the highest concentration samples (i.e., results greater than 100 ppm cadmium typically had an XRF instrument error of 2 ppm).

[4] XRF screening was not performed during the additional sampling performed in September and November 2020.

[5] 2-sigma error refers to the instrument accuracy within two standard deviations based on detector count statistics and is calculated automatically by the instrument for each analysis.

At each boring location, a sample of soil from the deepest interval with an XRF screening result greater than the applicable SCO and a sample from the next deepest interval were submitted to the laboratory for analysis, and soil samples from the shallower intervals were submitted to the laboratory on “hold” status. Soil samples were submitted to Eurofins TestAmerica in Amherst, New York, under chain of custody procedures for cadmium analysis by United States Environmental Protection Agency (USEPA) Method 6010B, as described in Sections 3.4.1.3 and 3.4.2 of the 2020 CAWP and on the decision flowchart on Figure 8. At locations where no interval had an XRF screening result greater than the SCO, soil samples were collected from each of the two shallowest intervals and submitted to the laboratory for immediate analysis, and samples from each remaining interval were submitted on “hold” status. The samples submitted on “hold” status were analyzed only if the analytical results from the two samples submitted for immediate analysis did not delineate the maximum vertical extent of cadmium concentrations greater than the applicable SCO. During the field program, 24 additional soil samples were analyzed for cadmium to qualitatively compare laboratory analytical results to field XRF screening results. These additional samples are from intervals shallower than the deepest interval with a concentration of cadmium greater than the applicable SCO as indicated by XRF screening. Cadmium delineation results from the XRF screening and laboratory analyses are provided in Table 1.

Upon completion of soil sample collection at each boring location, boreholes were filled to slightly below grade with hydrated bentonite and then finished at ground surface with topsoil to match the surrounding grade. Soil cuttings and other IDW (i.e., plastic sheeting, decontamination rinse water, and personal protective equipment) were containerized in 55-gallon drums. Composited waste characterization samples were collected from the drummed IDW to create a waste profile for disposal of IDW generated during the PDI. Waste pre-characterization samples also were collected from each ditch to support the forthcoming design refinement phase. Waste characterization and pre-characterization samples were submitted to Eurofins TestAmerica in Amherst, New York, for analysis of RCRA metals by Toxicity Characteristic Leaching Procedure (TCLP) using USEPA Method 1311. Analytical results are provided in Table 2. Following characterization, IDW generated during the PDI investigation was disposed off-site in accordance with applicable regulations. Final soil sampling locations were surveyed in September 2020.

2.2 Historical Outfall Pre-Design Investigation Findings

No subsurface utilities were identified within the historical outfall ditches. The only subsurface utility identified near possible excavation/capping extents in these areas was a gas line north and east of HO2 (Figure 3). Overhead powerlines were identified near each historical outfall ditch (Figures 3 through 7). These lines did not interfere with PDI activities, and their presence will be accounted for in the Pre-Final (95%) Design.

As described in Section 2.1, the XRF screening results for cadmium were used as guidance for determining maximum boring depths [which ranged between 2 and 6 feet below ground surface (bgs)] and selecting soil sampling intervals for laboratory analysis. XRF screening results were of sufficient accuracy to efficiently guide the delineation soil sampling, and generally predicted where laboratory analytical results would exceed cadmium SCOs. Soil sampling was performed at 36 locations in HO2 through HO67 during the PDI; the cadmium concentrations were greater than the applicable SCO in at least one soil sample at each location, with the exception of HO67-DITCH-02 and HO67-DITCH-05 through HO67-DITCH-08. Screening and laboratory analytical results are provided in Table 1. Laboratory reports and data validation reports are provided in Appendices B and C, respectively.

As discussed in Section 2.1, samples were collected until the deepest sample at each boring location contained a reported cadmium result equal to or less than the applicable SCO, the water table was reached, or refusal was encountered. These parameters will be used to determine the depth of excavation following the procedure described in the CAWP (Arcadis, 2020) and in Section 2.3.1 below. The maximum sampling depths at 24 of the 36 locations were determined by delineating the shallowest interval with a laboratory analytical result for cadmium less than the applicable SCO. The maximum sampling depth at 3 of the 36 locations was determined by the depth of refusal (provided in parenthesis): HO4-DITCH-02 (6 feet bgs); HO4-DITCH-04 (4.5 feet bgs); and HO5-DITCH-02 (5.5 feet bgs). And the maximum sampling depth at the nine remaining locations was determined by the depth at which the water table was encountered at the time of sampling (provided in parenthesis): HO2-DITCH-01 (3 feet bgs); HO2-DITCH-02 (4 feet bgs); HO2-DITCH-03 (2.5 feet bgs); HO2-DITCH-04 (2.5 feet bgs); HO2-DITCH-06 (3 feet bgs); HO3-DITCH-01 (2 feet bgs); HO4-DITCH-06 (4 feet bgs); HO5-DITCH-04 (3 feet bgs); and HO5-DITCH-05 (2 feet bgs).

The PDI investigation results were sufficient to develop a preliminary basis of remedial design for soil in the historical outfall ditches. Additional sampling, including further delineation sampling in HO6/7 and further waste pre-characterization sampling, may be conducted before and/or concurrently with final remedial design to further refine excavation extents and depths.

2.3 Historical Outfall Preliminary Basis of Design

Preliminary bases of remedial design for unsaturated soils in HO2 through HO7 with cadmium concentrations exceeding the applicable SCO have been developed. As described in the 2020 CAWP, a Pre-Final (95%) Design will be completed within six months of submittal of this PDI Report. The preliminary remedial design approach includes both soil excavation and soil capping.[6] Remedial excavations will be designed to remove unsaturated soils from historical outfall ditches HO2 and HO4 through HO7 containing cadmium at concentrations greater than the applicable SCO. Because excavation of soil would be technically infeasible, soil with a cadmium concentration greater than the commercial SCO in historical outfall ditch HO3 will be addressed by a cover system anticipated to consist of a concrete cap, as discussed in Section 2.3.2 below. Approximate soil excavation areas and depths or capping extent (for HO3 only) as well as an overview of factors that influenced the basis of remedial design, such as topography, utilities, vegetation, and access constraints, are summarized below.

2.3.1 Excavation

Excavation of impacted unsaturated soil is the remedial approach identified for historical outfall ditches HO2 and HO4 through HO7. The preliminary excavation plan for each ditch is based on the division of the ditch into cells that correspond to the field-determined segments that were delineated before soil sampling (see Section 2.1). Soil analytical data from each cell will be assessed during the Pre-Final (95%) Design to develop target excavation depths as follows:

- The depth of excavation below ground surface within each excavation cell will be set equal to the shallowest of either the bottom depth of the deepest sample interval with a concentration of cadmium greater than the applicable SCO, the depth of refusal, or the depth of the water table at the time of excavation, depending on conditions encountered in each particular cell.

[6] Portions of the historical outfall ditches that have been filled in with debris (i.e., concrete slabs, concrete blocks) or soil (portions along the powerline access road) were not considered for excavation or capping.

- This target excavation depth below ground surface will be maintained along the centerline of the ditch (i.e., excavations will follow the slope of the historical outfall ditch).
- Excavation areas will extend outward (i.e., perpendicular to the historical flow direction) at the same target depth as the center of the ditch until soils 2 feet above the center of the ditch have been removed.

The target excavation depth at the centerline of each ditch segment (i.e., excavation cell) is identified in Table 1. Extents, depths, and volumes of excavated materials will be finalized in the Pre-Final (95%) Design and may be further modified in the field based on slope stability and water table elevations.

Approximate preliminary extents of the excavation cells and excavation depths are shown on Figures 3 and 5 through 7. Excavation cell extents will be finalized in the Pre-Final (95%) Design but are anticipated to remain relatively consistent with those shown on Figures 3 and 5 through 7. As noted above in Section 2.2, additional delineation sampling may be conducted in HO6/7 to further refine excavation extents and depths. As described in the 2020 CAWP, post-excavation soil sampling from the bottom and sidewalls of the excavations will not be necessary because of the delineation conducted as part this PDI.

As described above in Section 2.1, waste pre-characterization samples were collected from each ditch during the PDI to provide design refinement data. Analytical data for these samples indicate that soils excavated from ditches HO2 through HO5 may be characteristically hazardous as a result of cadmium concentrations exceeding 1 mg/kg in TCLP samples (Table 2) and thus may require disposal as hazardous waste.

Access constraints were identified in all planned excavation areas. Overhead utilities are present over and/or near all excavation areas and some utility pole guy wires will likely need to be temporarily removed or relocated during excavation (contingent upon utility company approval). A gas line is present near the HO2 excavation area and its depth will need to be determined before finalizing the excavation design. The steep slope at HO4 and HO5 presents an access constraint for excavation equipment. Temporary shoring may also be required in certain areas during excavation.

As noted in Section 2.1, standing or flowing stormwater was present in portions of HO6, HO7, and HO6/7 during PDI sampling. Stormwater will likely be present in these ditches during periods of heavy precipitation and may require management during excavation activities. Surface water flow and erosion potential/slope stability in these areas, both during excavation and as part of restoration activities, will need to be factored into the excavation design. The historical outfall ditches and surrounding areas are heavily vegetated and will need to be cleared before the start of remedial work in the historical outfalls. Trees that are within excavation areas or near overhead electrical lines will need to be removed. Additionally, the unpaved access road that extends from the Site perimeter road to the base of the slope adjacent to the canal southeast of the Site (Figure 2) may need to be improved to handle excavation equipment and truck traffic. Excavation-related equipment anticipated to be brought on-site includes long-reach excavators, mini excavators, vacuum trucks, tracked mini dump vehicles, skid steer equipment, and dump trucks.

Excavated soils that cannot be direct-loaded for off-site transportation and disposal will be temporarily stockpiled on-site. Additional samples for waste characterization will be collected to support the final waste management plan.

2.3.2 Capping

Historical outfall HO3 is on a steep slope directly beneath low-hanging overhead electrical lines (Figure 4). Based on field reconnaissance by Arcadis and discussion with the owner of the overhead utility lines, it was determined that the use of heavy excavation equipment in this area is not feasible because of its proximity to overhead electrical lines, utility poles, and fixed guy wires that cannot be relocated or adequately protected from mechanical excavation equipment. The steep slope of the ditch and the preliminary extent of excavation identified for this area (up to 4.5 feet below the centerline of the ditch and 6.5 feet below the sidewalls) also make manual digging to the target depth and conveyance of excavated soils in this area infeasible. As a result, the preliminary remedial design for impacted unsaturated soils in historical outfall HO3 is placement of a concrete cap. Capping will meet or exceed the cover system requirements described in the Basis of Design presented in the Statement of Basis (NYSDEC 2018). The cap will be designed to minimize erosion and prevent incidental contact with soils that contain cadmium at concentrations greater than the applicable SCOs. The placement process is expected to include manual excavation of a sufficient volume of soil to install a cast in-place concrete cap. The cap will be monitored and maintained following the procedures in a forthcoming Site Management Plan.

3 Operable Unit 1 Pre-Design Investigation Summary

The 2020 CAWP identified excavation as the remedial approach for shallow impacted soil in AOC 1 and ISTR as the remedial approach for DNAPL in AOCs 1 and 3. This section presents the PDI field work, findings, and preliminary bases of remedial design for these AOCs.

3.1 Fieldwork Summary

A topographic survey of AOCs 1 and 3 was completed between April and August 2019 in conjunction with survey activities in AOC 5 (discussed in Section 2.1). The PDI field work in AOCs 1 and 3 was performed between September 2020 and June 2021. Initial DNAPL delineation, a shallow soil investigation, and hydraulic conductivity testing were conducted in 2020, and an enhanced DNAPL delineation event using additional screening technologies was conducted in 2021. The PDI provided data to delineate the vertical and horizontal extent of unsaturated soil with TCE concentrations exceeding the commercial SCO in AOC 1 and the vertical and horizontal extent of DNAPL in AOCs 1 and 3.

PDI field activities at AOCs 1 and 3 consisted of the following:

- Locating and clearing utilities near planned boring locations;
- Advancing soil borings in AOC 1 and collecting soil samples for laboratory analysis of TCE;
- Advancing soil borings in AOCs 1 and 3 and using the following multiple lines of evidence to assess DNAPL presence/absence:
  - Visual observations (appearance of globules, free product, staining, or sheens);
  - PID screening for VOCs;
  - Hydrophobic dye jar shake tests;
  - Ultraviolet (UV) fluorescence screening of soil cores in a mobile dark room;
  - Dye-enhanced laser-induced fluorescence (DyeLIF) screening of soil cores; and
  - Soil sample laboratory analysis.
- Collecting soil samples for organic matter content and moisture content analysis;
- Conducting hydraulic conductivity testing (slug tests) at wells near and within the DNAPL delineation area;
- Performing community air monitoring during ground-intrusive activities, consistent with 2020 CAWP;
- Disposing of IDW offsite; and
- Surveying boring locations.

The following subsections summarize the utility location, shallow soil investigation, DNAPL delineation, and hydraulic conductivity testing activities conducted in OU1.

3.1.1 Utility Location

Utility location activities were performed in September 2020 before initiating ground-intrusive work in AOCs 1 and 3. They included visual observations (i.e., linear repairs to asphalt, hydrants, and visible utility piping), review of Site utility maps, and use of EM induction, metal detection, ground-penetrating radar, traceable rod, and RF detection technologies to locate underground utilities. Underground utility location services were completed in

accordance with American Society of Civil Engineers Standard 38-02, Quality Level "B". All findings were marked at ground surface with color-coded paint or flagging. Additionally, Dig Safely New York was contacted to perform utility mark-outs in the Johnston Street right of way. The Dig Safely New York utility mark-outs were confirmed by a private utility locator.

3.1.2 Shallow Soil Investigation

The shallow soil investigation in AOC 1 was performed in September and October 2020 to determine the limits of excavation of unsaturated soil with TCE concentrations greater than the commercial SCO of 200 mg/kg. The investigation was centered on boring B2-PH04 (Figure 9), where TCE was reported at a concentration greater than the commercial SCO in a vadose zone soil sample collected in 2005 (Arcadis 2013). Boring locations were first laid out at approximately 5-foot spacings on a grid extending in each cardinal direction from soil boring B2-PH04. Locations were then adjusted as needed to avoid underground utilities, obstructions (roof drain down spout, water line, and railroad spur rails/ties), and the southern edge of Building 2. Final boring locations are shown on Figure 10.

Borings were advanced to between 4 and 6 feet bgs using direct push technology, and soil cores were collected using 4-foot-long Macro-Core® liners. Borings were terminated at the shallower of the water table or 6 feet bgs. Recovered soil was described and logged to document color, texture, and moisture content, and then screened for the presence of VOCs using a PID and visually examined for evidence of DNAPL. Two soil samples were then collected from each boring for laboratory analysis, generally from 1 foot and 4 feet bgs. Exceptions occurred when field screening indicated evidence of VOCs at another depth (i.e., PID readings greater than background) and when the water table was shallower than 4 feet. When evidence of VOCs was noted at a depth other than the planned sample depths of 1 foot and 4 feet bgs, a soil sample was collected for laboratory analysis from within the potentially impacted interval rather than from the nearest planned sampling depth. When the water table was shallower than 4 feet, soil from the deepest unsaturated interval in the boring was submitted for laboratory analysis rather than a saturated soil sample from 4 feet bgs. Soil samples were submitted Eurofins TestAmerica in Amherst, New York, under chain of custody procedures for analysis of target compound list (TCL) VOCs by USEPA Method 8260. The results of the shallow soil investigation are discussed in Section 3.2.1 and analytical results are in Table 3.

Upon completion of each boring, the borehole was filled to slightly below grade with hydrated bentonite and finished to match the surrounding grade with cold patch asphalt or topsoil. Soil cuttings, decontamination rinse water, and decontamination pad plastic sheeting were containerized in 55-gallon drums for off-site disposal (see Section 3.1.4).

3.1.3 DNAPL Delineation

DNAPL delineation activities in AOCs 1 and 3 were performed between September 2020 and June 2021. The proposed DNAPL screening technologies listed in the 2020 CAWP included DyeLIF, a technology developed by Dakota Technologies, Inc. (Dakota Technologies) to screen soil cores for DNAPL presence. When PDI field activities were being scheduled in 2020, New York State had 14-day COVID-19-related quarantine requirement in place for travelers from certain states, including North Dakota where Dakota Technologies is based. Dakota Technologies staff were required to operate the proprietary DyeLIF equipment at the Site. Thus, to maintain progress on implementing the CAWP, the DNAPL delineation had to be performed in two phases. An initial field event was performed in September, October, and November 2020 to verify the presence of DNAPL in areas

where evidence of DNAPL had been observed during previous investigations, confirm that DNAPL was not present near the periphery of the investigation areas, and collect reference samples of impacted and unimpacted soil. A second event was performed in June 2021, after the travel New York state COVID-19-related quarantine restriction had been lifted, during which additional borings were completed and the DyeLIF and paired UV fluorescence screening activities were performed by Dakota Technologies.

The area in which DNAPL delineation activities were performed in each AOC was defined based on historical sampling locations where TCE concentrations in groundwater exceeded 1% of solubility[7]. Consistent with the 2020 CAWP, each delineation area was first divided into a grid with borings on 10- to 20-foot spacings. Boring locations were then adjusted to avoid overhead and known underground utilities and to maintain Site access from Johnston Street. Final boring locations are shown on Figures 10 through 12.

The first soil borings in each AOC were advanced adjacent to locations where evidence of DNAPL had been observed during previous investigations, and then subsequent borings were advanced. Borings were advanced to refusal using direct push technology and soil cores were collected using 4-foot-long Macro-Core® liners. When DNAPL that appeared to be mobile was encountered in a soil boring, the sampling tooling was switched from standard Macro-Core® to Dual-Tube Macro-Core® to prevent downward migration of DNAPL into deeper soil samples.

Field delineation activities in 2020 included visual observation of soil cores, PID screening, and jar shake tests with hydrophobic dye. Soil samples were also collected for laboratory analysis of VOCs and for off-site bench testing by Dakota Technologies. The off-site bench testing was performed in late 2020 and early 2021 to confirm that DyeLIF and UV fluorescence screening techniques were capable of detecting DNAPL at the Site[8]. Field data were used to outline the approximate extent of DNAPL, if any, using a multiple lines of evidence approach. Because DyeLIF and UV fluorescence screening were not performed during the 2020 event, the decision process for evaluating each line of evidence for DNAPL delineation was modified from that outlined on Figure 13 and the 2020 CAWP. The September, October, and November 2020 field procedures and decision process for evaluating lines of evidence for DNAPL delineation (organized by Step[9] as listed on Figure 13) are described below:

- Step 1:
  - *Visual inspection*. Each retrieved Macro-Core® was split open and laid out on a flat surface for visual inspection. Visual evidence of DNAPL was then recorded as either present (i.e., globules, free product, dark staining, or sheens) or not present. The following soil characteristics were also recorded: color, grain size/soil type, consistency, moisture content, plasticity, and dilatancy.
  - *Odor identification*. Any instances of odor were recorded along with a description of the type and intensity of the odor (e.g., a strong solvent-like odor).
  - *PID screening*. A PID was used to screen the soil core for VOCs. When PID screening readings exceeded 500 ppm, additional field tests were performed to assess the presence of DNAPL (see Step 3).

[7] As described in Section 3.5.1 of the 2020 CAWP (Arcadis 2020).
[8] A Site soil sample containing small blebs of DNAPL was submitted to Dakota Technologies in November 2020. The sample was processed to determine the specific waveform signature of DNAPL unique to the Site and to verify that DyeLIF could detect the waveform in Site soils and also differentiate it from waveforms associated with Site soils that did not contain DNAPL.
[9] Step 2 was not performed in 2020.

- Step 3:
  - *Dye shake testing*. Shake tests using hydrophobic dye were performed on soil samples from intervals that exhibited a PID reading greater than 500 ppm[10] or that contained seams of sand or sand and gravel that may act as potential preferential pathways or DNAPL pooling areas (if DNAPL is present). At borings where PID screening results were all less than 500 ppm, dye shake tests were conducted on soil samples from intervals with the highest PID readings or strong odors (if present). To perform the test, distilled water and a sample of soil was placed in a commercially available OIL-IN-SOIL™ field screening kit consisting of a clean jar with premeasured hydrophobic and fluorescein dyes, and a polystyrene foam bead (used to aid in agitation and dye mixing), the jar was shaken, and the contents were examined. Because the hydrophobic dye reacts with DNAPL, evidence of reacted dye in the jar indicated the presence of DNAPL in the soil sample. The hydrophobic dye would react with DNAPL, resulting in a red discoloration of any DNAPL present at elevated concentrations, or traces of red on the edge of the polystyrene bead or on the surface of the water/dye solution. Any red discoloration in the shake test jar was interpreted as a positive shake test result. Negative test results were indicated by a yellow/green color from the fluorescein dye that acted as a control. The manufacturer states that these tests may indicate DNAPL constituents at concentrations as low as approximately 10 ppm (substantially less than the site-specific soil saturation limit for TCE of 492 mg/kg).
- Step 4:
  - *Laboratory analysis*. At a minimum, soil samples were collected for laboratory analysis at the frequency and intervals within each boring determined by the steps shown on Figure 13. Specifically, a soil sample for laboratory analysis was collected from the deepest interval in each boring that exhibited PID readings greater than 9,999 ppm or a positive dye shake test result, if either was occurred. For borings where neither condition occurred, at least one soil sample was collected for laboratory analysis biased to depths with the highest PID reading. Soil samples were submitted to Eurofins TestAmerica in Amherst, New York, under chain of custody procedures for analysis of TCL VOCs by USEPA Method 8260.

After reviewing the 2020 field, laboratory, and bench testing results, Arcadis returned to AOCs 1 and 3 in June 2021 to perform additional soil borings and oversee DyeLIF and UV fluorescence screening. The 2021 investigation focused on the areas where DyeLIF and UV fluorescence screening were called for in the 2020 CAWP. Additional borings were also advanced at closer spacings than in 2020 to verify the DNAPL delineation conclusions from that event. The June 2021 field procedures and decision process for evaluating lines of evidence for DNAPL delineation (organized by Step as listed on Figure 13) are described below:

- Step 1:
  - *Visual inspection, odor identification, and PID screening.* Each assessment was performed and recorded as described above for the 2020 event; however, additional field testing to assess the presence of DNAPL was only performed when PID readings exceeded 2,000 ppm.
- Step 2:
  - *DyeLIF and UV fluorescence screening*. These two separate tests were performed on Macro-Core® intervals flagged during Step 1 as potentially containing DNAPL. TCE concentration data for soil samples collected from adjacent borings advanced in 2020 were also used as a guide in determining the depth

[10] The 2020 CAWP proposed a PID reading of 2,000 ppm as the threshold for dye shake testing. A lower threshold of 500 ppm was used during the 2020 event because UV fluorescence and DyeLIF screening were not used in 2021.

interval at which to begin DyeLIF and UV fluorescence screening. Thus, DyeLIF and UV fluorescence screening was initiated at a shallower depth interval than indicated by Step 1 if data from an adjacent boring suggested that DNAPL may be present in the area at a shallower interval.

  - *UV fluorescence screening*. Macro-Core® samples were selected for UV fluorescence screening based on the results of Step 1. UV fluorescence screening was conducted by Dakota Technologies in the field in a mobile dark room to qualitatively determine the potential presence or absence of DNAPL along the entire split core face. Based on the off-site bench testing performed in 2020 and correlation in the field with other lines of evidence, soil that fluoresced orange or white was recorded as potentially containing DNAPL. Soil that naturally fluoresced blue or light blue was recorded as not containing DNAPL.
  - *DyeLIF screening*. DyeLIF screening was used to verify the potential presence of DNAPL identified by other screening methods and as a stand-alone screening method for DNAPL presence. DyeLIF screening was conducted by Dakota Technologies at the Site in a mobile dark room. DyeLIF results are reported as the percent of a reference response (i.e., the instrument response to a proprietary fluorescence emitter standard called the “reference emitter” [RE]). The instrument response when scanning the RE is reported as 100% of RE. Visually observed DNAPL and laboratory detections of TCE greater than the Site-specific soil saturation limit of 490 mg/Kg correlated to DyeLIF instrument responses equal to or greater than 10% of RE. DyeLIF instrument responses to soil with no DNAPL present were less than 10% of RE during both bench testing and site investigation. Thus, a DyeLIF instrument response of 10% of RE or greater was determined to indicate the potential presence of DNAPL.

- Step 3:
  - *Dye shake testing.* At a minimum, a dye shake test was performed on a soil sample from the deepest interval in each boring where DyeLIF or UV fluorescence screening indicated the potential presence of DNAPL. At some boring locations, a dye shake test was also conducted on a soil sample collected based on other lines of evidence listed above (e.g., at a zone of strong odors).
- Step 4:
  - *Laboratory analysis*. Soil samples were collected for laboratory analysis as described above for the 2020 event.

The results of the DNAPL delineation activities in AOCs 1 and 3 are discussed in Section 3.2.2. The remedial technology identified for DNAPL remediation in these areas is ISTR using electrical resistance heating or thermal conductive heating to volatilize and/or destroy DNAPL. To support the ISTR design, the following additional soil samples were also collected from AOCs 1 and 3 during the PDI:

- Six soil samples were collected for analysis of ash and organic matter content by ASTM Method D2974. These data were collected to assess potential limitations for ISTR (e.g., high organic matter concentrations can result in subsidence during implementation of ISTR).
- Six unsaturated soil samples were collected for analysis of moisture content by ASTM Method D2216-90. These data were collected to supplement the moisture content data from saturated soil samples collected for VOC analysis during the DNAPL delineation.

Upon completion of each boring, boreholes were filled to slightly below grade with hydrated bentonite and finished to match the surrounding grade with cold patch asphalt or topsoil. Soil cuttings, decontamination rinse water, and decontamination pad plastic sheeting were containerized in 55-gallon drums for off-site disposal (see Section 3.1.5). Boring locations were surveyed in November 2020 and July 2021.

3.1.4 Hydraulic Conductivity Testing

Hydraulic conductivity tests were conducted at monitoring wells MW-24, MW-25, and MW-26 (Figure 9). Hydraulic conductivity data will be used to estimate groundwater flow velocities and the volume of vapor that may be generated during ISTR. Both falling head and rising head hydraulic conductivity tests were performed at each monitoring well location, except at MW-26 where only a rising head test was performed because the well is screened across the water table. A solid slug was used to conduct both test types. Falling head tests were performed by submerging the slug below the surface of the water and monitoring the return of the water level to a static condition using a pressure transducer equipped with a datalogger. After the water level returned to a static condition following a falling head test, a rising head test was conducted by removing the slug from the well and monitoring the return of the water level to a static condition, again using a pressure transducer equipped with a datalogger.

Elapsed time and changes in water level were recorded during each test. Water level changes were plotted as normalized displacement over time and analyzed using AQTESOLV for Windows® (Duffield 2007) to generate hydraulic conductivity estimates for the saturated zone soil surrounding each monitoring well. Solutions were calculated following the guidelines presented in The Design, Performance, and Analysis of Slug Tests (Butler 1998). The slug testing results are discussed in Section 3.2.3.

3.1.5 IDW Management

After completion of the OU1 PDI activities, samples of IDW were submitted to Eurofins TestAmerica in Amherst, New York, under chain of custody procedures for analysis of VOCs by USEPA Method 8260 using TCLP methods. Laboratory and validation reports are provided in Appendices B and C, respectively. IDW generated during the investigations in AOCs 1 and 3 was characterized as non-hazardous (Table 4). Generated IDW was removed from the Site on January 12, 2021 and January 7, 2022 for off-site disposal.

3.2 Operable Unit 1 Pre-Design Investigation Findings

The following subsections present the findings of the utility location, shallow soil investigation, DNAPL delineation, and hydraulic conductivity testing activities conducted in AOCs 1 and 3.

3.2.1 Utility Location Results

Located utilities in AOCs 1 and 3 are shown on Figures 9 through 12, 14, and 15. Overhead utilities between Building 11 and the pole barn required relocation of some DNAPL delineation locations (Figure 12). Below grade utilities also required the slight adjustment of some soil boring locations. The presence of utilities in AOCs 1 and 3 will be accounted for during shallow soil excavation and ISTR design and construction.

3.2.2 Shallow Soil Investigation Results

The PDI generated sufficient data to determine limits for excavation of unsaturated zone soil with TCE concentrations above the commercial SCO in AOC 1. PDI analytical results for unsaturated zone soil in AOC 1 are presented in Table 3 and shown on Figure 10. Laboratory and validation reports are provided in Appendices B and C, respectively. Soil boring logs are provided in Appendix D. TCE concentrations in shallow soil samples collected in AOC 1 ranged between 0.0063 mg/kg at S-04 (soil sample from 0.7 feet bgs) and 660 mg/kg at S-09 (soil sample from 1.3 feet bgs). The TCE concentration in soil exceeded the commercial SCO of 200 mg/kg at seven of 17 soil boring locations (Figure 10). DNAPL was not visually observed in any of the borings (Appendix D). No exceedances of the action levels for total organic vapors or particulates were recorded during community air monitoring activities.

The area for shallow soil excavation developed based on the PDI data is approximately 462 square feet (Figure 10). Based on the encountered water table elevations in soil borings (Appendix D), the excavation depth is anticipated to range between approximately 2 and 6 feet bgs. Based on the characterization of IDW from PDI activities in AOCs 1 and 3 as non-hazardous, it is anticipated that soil from AOC 1 excavation will also be characterized as non-hazardous for offsite disposal.

3.2.3 DNAPL Delineation Results

The PDI generated sufficient data to develop limits for the extent of ISTR in AOCs 1 and 3. Laboratory analytical data are presented in Table 5 and line of evidence results are presented in Table 6. Findings are also summarized on Figures 10 through 12. Laboratory and validation reports are provided in Appendices B and C, respectively. Soil boring logs that include the results of visual inspection for DNAPL, odor identification, PID screening, and dye shake testing are provided in Appendix D. DyeLIF screening results are provided in Appendix E. As discussed in Section 3.1.3, a DyeLIF instrument response of 10% of RE or greater shown on the graphs in Appendix D was determined to indicate the potential presence of DNAPL. No exceedances of the action levels or total organic vapors or particulates were recorded during community air monitoring activities.

The 2020 CAWP specified the TCE concentration in soil samples submitted for laboratory analysis that would be interpreted to indicate the presence of DNAPL. The maximum concentration of TCE that could be present in the dissolved and sorbed phases in saturated Site soil was calculated using media-specific (density, porosity, fraction organic carbon) and chemical-specific (solubility, partitioning) properties to be 492 mg/kg. TCE concentrations exceeding this calculated maximum indicate the presence of TCE as a separate-phase, or DNAPL, in the sample. Because media-specific properties vary as a result of natural geologic heterogeneity, 75% of this calculated maximum (i.e., a TCE concentration of 369 mg/kg) was set as the screening concentration that indicated the presence of DNAPL in the sample. This screening concentration is shown in Step 4 of Figure 13. Additionally, as a conservative addition to the delineation decision process specified in the 2020 CAWP, a TCE concentration greater than or equal to 50% of the site-specific soil saturation limit (i.e., a TCE concentration of 246 mg/kg) was interpreted as indicating the presence of DNAPL if multiple additional lines of evidence for DNAPL were positive in the same boring. The laboratory analytical results exhibited good agreement with the field-based lines of evidence.

Maximum TCE concentrations in DNAPL delineation soil samples collected from AOC 1 ranged between 1.3 mg/kg (in the sample collected from 18.5 feet bgs at boring location D-07) and 200,000 mg/kg (in the sample collected

from 22 feet bgs at boring location D-47).[11] TCE concentrations exceeded the screening concentration of 369 mg/kg at eight of 46 soil boring locations in AOC 1 (Table 4). Lines of evidence indicated the presence of DNAPL at nine boring locations in AOC 1 (Table 6). At all but two boring locations (D-38 and D-47), the maximum reported TCE concentration was in the deepest sample with a result greater than the Site-specific soil saturation limit (Table 6).

Soil boring locations in AOCs 1 and 3 where DNAPL was determined to be present and where DNAPL was determined not to be present are shown on Figures 14 and 15. The planned extent of ISTR in these AOCs follows a series of boundary borings that delineate the area containing DNAPL. Target depths for ISTR were established using borings where DNAPL was determined to be present. At each of these boring locations, the target depth for ISTR is the bottom depth of the Macro-Core® interval with the deepest positive line of evidence for DNAPL using any screening method or analytical result. For example, a positive line of evidence for DNAPL at any depth in a sample interval from 28 to 32 feet bgs results in a target ISTR depth of 32 feet bgs for that location. This approach is more conservative than the approach specified in the 2020 CAWP in two ways: 1) the CAWP specified that the target ISTR depth be set as the deepest DNAPL detection (according to the process on Figure 13) in a boring, not the deepest single positive line of evidence of DNAPL in the boring; and 2) the CAWP specified that the target depth for ISTR would be the depth at which the deepest sample containing DNAPL was collected, not the bottom depth of the entire Macro-Core® interval that contained that sample. Preliminary target depths for ISTR are presented in Table 7.

The approximate area and depth of planned ISTR in AOC 1 are 3,800 square feet and 32 to 34 feet bgs, respectively (Figure 14). The approximate area and depth of planned ISTR in AOC 3 are 2,600 square feet and 28 to 33 feet bgs, respectively (Figure 15).

3.2.4 Hydraulic Conductivity Testing Results

Hydraulic conductivity tests were conducted at monitoring wells MW-24, MW-25, and MW-26. Both falling and rising head slug tests were performed at MW-24 and MW-25; only rising head slug testing was performed at MW-26. AQTESOLV® solution reports and a results summary table are provided in Appendix F.

Duplicate hydraulic conductivity tests at each well yielded repeatable results; therefore, the response with the least noise (i.e., smoothest time-displacement curve) was analyzed at each well to estimate hydraulic conductivity. The estimate for each well is summarized below.

Well	Estimated Hydraulic Conductivity (centimeters per second)
MW-24	4.8×10^{-4}
MW-25	6.6×10^{-5}
MW-26	1.2×10^{-3}

The geometric mean estimated hydraulic conductivity fort these three wells was 3.4×10^{-4} centimeters per second.

[11] Two borings were advanced near the location of boring D-47. The initial boring D-47 was advanced to a depth of 32.7 feet bgs using standard direct push techniques. DNAPL was visually observed in boring D-47 at a depth of about 22 feet bgs. To rule out false positive evidence of DNAPL in boring D-47 between 22 feet and 32.7 feet bgs resulting from possible downward migration of DNAPL in the boring, a second boring (D-47A) was advanced next to boring D-47 using dual-tube drilling techniques. Data from both borings are combined to conservatively evaluate the presence and depth of DNAPL this location. Dual-tube drilling techniques were used at subsequent borings starting at the depth of visual observation of DNAPL.

3.3 Operable Unit 1 Preliminary Basis of Design

Preliminary bases of remedial design have been developed for TCE-impacted unsaturated soils in AOC 1 and for DNAPL in AOCs 1 and 3. In AOC 1, a remedial excavation will be performed to remove unsaturated soils containing TCE at concentrations greater than the commercial SCO. In AOCs 1 and 3, DNAPL will be remediated with ISTR. The bases of these remedial designs are summarized in the following subsections. Final remedial extents will be determined in the Pre-Final (95%) Design, which will be completed within six months of submittal of this PDI Report, and are not expected to change significantly from those presented in this PDI Report.

3.3.1 Shallow Soil Excavation

Excavation of shallow unsaturated soil is planned in AOC 1 to remediate an area of approximately 460 square feet south of Building 2 where TCE concentrations in soil exceed the commercial SCO. The preliminary excavation extent is shown on Figure 10. Excavation will occur to the maximum depth that unsaturated soil exceeds the commercial SCO, or to the top of the water table at the time of excavation, whichever is shallower.

Before excavation, asphalt pavement, sub-base materials, and rail spur materials (rails and ties) within the excavation area will be removed. These materials will be staged on-site for potential reuse as fill material or transported off-site to a construction and demolition debris facility for reuse, recycling, or disposal. A subsurface roof drain in the planned excavation area is anticipated to be temporarily removed/relocated and then replaced following excavation activities. A water line is present beneath the planned excavation area, but construction information indicates that it is deeper than the maximum depth of excavation. The water line will be protected and/or relocated as needed during excavation activities. Handling of utilities will be further evaluated during development of the Pre-Final (95%) Design.

Excavated soils and any excavated process waste pipes that have been abandoned in place in the excavation area will be transported for off-site disposal. Excavated soils that cannot be direct-loaded for off-site transportation and disposal will be temporarily stockpiled on-site. Additional samples for waste characterization will be collected during remedy implementation; however, as described in Section 3.1.5, characterization results for samples of soil IDW generated during PDI activities in AOCs 1 and 3 indicate that the excavated soil from AOC 1 may be characterized as non-hazardous (Table 5). As described in the 2020 CAWP, post-excavation soil sampling from the bottom and sidewalls of the excavation will not be necessary because of the delineation conducted as part this PDI.

3.3.2 ISTR

The preliminary extents of ISTR in AOCs 1 and 3 are illustrated on Figures 14 and 15. The major steps involved in implementing this technology for DNAPL remediation are:

- Installing thermal heater or electrode wells, extraction wells, and monitoring wells;
- Constructing a vapor cover, as necessary;
- Installing electrical control systems;
- Installing aboveground liquid and vapor conveyance lines and treatment systems;
- Operating and monitoring the heating, extraction, and treatment systems; and

- Decommissioning the wellfield.

Thus, in addition to the heater/electrode wells, the ISTR well system will include a network of vertical and/or horizontal vapor extraction wells, pressure monitoring points (PMPs), and temperature monitoring points (TMPs). To adequately heat the DNAPL treatment areas, heater/electrode wells will be installed about 12 to 15 feet apart and extend to about 3 to 5 feet beneath the deepest targeted treatment depths discussed in Section 3.2.3 (into weathered rock if necessary). Vertical and/or horizontal vapor extraction wells will be used to recover steam and vapors generated during soil heating for onsite treatment. PMPs will be used to monitor the soil gas pressure differential in the upper boundary of the treatment area, and TMPs will be used to monitor subsurface temperatures at various depth intervals within the treatment areas. The number and locations of heater wells/electrodes, vertical and horizontal extraction wells, PMPs, and TMPs will be determined during the remedial design phase.

A private Site access road is present in a portion of the target DNAPL treatment area in AOC 1. It is anticipated that ISTR components along this road will need to be installed below grade to limit access constraints to the Site and adjacent electrical substation (Figure 14). Subgrade installation of ISTR components and other alternatives (e.g., angled wells extending beneath paved areas) will be evaluated during the remedial design phase.

Application of ISTR requires a vapor cover at the ground surface above treatment areas to prevent rainfall infiltration into the subsurface, limit heat losses, and facilitate collection of generated vapors. The proposed treatment areas in AOCs 1 and 3 are currently covered with asphalt pavement/concrete, which generally acts as an effective vapor cover when in good repair. However, minor repair work will likely be necessary to enhance the effectiveness of the asphalt cover before ISTR application. Pavement repair work details will be included in the Pre-Final (95%) Design.

ISTR treatment is usually conducted to a target subsurface temperature approaching the boiling point of water (212 degrees Fahrenheit) in the following treatment phases:

- *Startup phase*. Operation of the vapor extraction system (and hydraulic control system, if necessary) is initiated.
- *Heating to target temperature phase*. The ISTR system is operated to raise the subsurface temperature until the target temperature is reached throughout the treatment area and DNAPL volatilization begins.
- *Target temperature maintenance phase*. Target subsurface temperatures are maintained to facilitate complete removal of DNAPL from the treatment areas.
- *Cooling phase*. Subsurface heating is ceased. Operation of the vapor extraction system is continued until DNAPL removal is complete. Vapor extraction is necessary during this phase to capture generated vapors and prevent unsafe pressure buildup while subsurface temperatures drop below steam-producing levels.

Confirmation soil samples will be collected to verify that ISTR has met performance goals. This sampling will be performed following completion of the target temperature maintenance phase and/or when ISTR performance metrics indicate that treatment is complete (i.e., target temperatures have been met, mass removal rates and the cumulative mass removal curve have plateaued, and inlet and wellhead vapor concentrations have decreased). If confirmation soil sampling indicates that performance goals have not been met, subsurface heating will recommence, and the confirmation sampling process will be repeated after approximately one month of additional treatment or when ISTR performance metrics indicate that treatment is complete.

Equipment procurement, site preparation, and ISTR system construction is expected to take approximately three to five months. Subsurface heating is typically conducted for at least six months. The selected ISTR technology

(thermal conductive heating or electrical resistance heating) and estimated remedial timeframe will be presented in the Pre-Final (95%) Design.

Vapors and liquids (from condensate) generated during ISTR system operation will be collected and conveyed to an on-site effluent treatment system. This pre-packaged system typically includes a condensate recovery front-end unit (for processing of generated vapors) and granular activated carbon vessels. The need for additional vapor treatment equipment (e.g., a thermal oxidizer/scrubber system) will be evaluated during development of the final remedial design. If the treated liquid cannot be discharged to a surface water body under a State Pollutant Discharge Elimination System (SPDES) permit, it will be discharged to a publicly owned treatment works or transported to an off-site facility for disposal. DNAPL, if generated from vapor condensate, will be containerized and transported to an off-site facility for disposal. Appropriately sized vapor and liquid treatment systems will be specified in the Pre-Final (95%) Design. Available analytical data will also be reviewed during the remedial design phase to ensure that proper treatment and health and safety measures are implemented for compounds that may be generated during ISTR implementation.

Following completion of ISTR treatment, above-grade infrastructure (i.e., conveyance piping from the wellfield to the effluent treatment equipment, effluent treatment equipment, and control systems) will be dismantled, decontaminated, and removed from the Site. Thermal heater/electrode wells, extraction wells, and monitoring wells will be decommissioned by grouting the wells in place.

The following potential challenges for the implementation of ISTR were identified during the PDI:

- Utilities present within the treatment areas. Underground and above-grade utilities identified within and near the proposed treatment areas include a water line, roof drains, former process waste lines, electrical lines, and a stormwater interceptor pipe. Measures for protecting or relocating these utilities will be determined during the remedial design phase.
- Recondensation of vapors within the top of the treatment zone in areas where ISTR wellfield components are installed below grade. In areas where ISTR wellfield components must be installed below grade, the top 3 feet of the target treatment area cannot be heated to the target temperature in order to protect below-grade components. Thus, the top 3 feet of soil in the treatment zone will be cooler than the underlying soil, which can result in recondensation of vapors within the cooler top of the treatment zone. A network of horizontal extraction wells and co-located vapor extraction/heater wells may need to be installed to extract compounds in the vapor phase near heat sinks and prevent recondensation.

Based on the current design assumptions (i.e., the preliminary treatment areas and target depth), operation of the ISTR system will require a 1,300-kilovolt ampere power supply. Based on the electrical infrastructure surrounding the Site and typical ISTR system electrical requirements, sufficient power is currently available for the ISTR system and the existing distribution equipment is compatible with the ISTR equipment. A detailed review of the power supply and distribution equipment and network within and adjacent to the Site will be performed during the design phase to identify the optimal location(s) for obtaining power for the ISTR system.

The following permits may be required to implement ISTR at the Site:

- Air discharge permit from the NYSDEC;
- Electrical permit from the Town of Seneca Falls; and
- Water discharge permit from the Town of Seneca Falls or NYSDEC.

The final list of required permits will be determined during the remedial design phase.

4 Conclusions and Updated Design Schedule

Data collected during the PDI were sufficient to delineate the vertical and horizontal limits of the planned excavation and DNAPL treatment areas and to characterize soil chemical and physical properties to support remedial design. Data were collected following the 2020 CAWP with minor modifications as described in Section 3.1.3. The final extents of excavation, capping, and ISTR will be presented in the Pre-Final (95%) Design. Additional sampling to facilitate pre-characterization of soils for disposal may be completed to support the design as needed.

The Pre-Final (95%) Design is anticipated to be submitted to the NYSDEC within six months of submittal of this PDI Report. A 100% design will be submitted 3 months after receipt of NYSDEC comments on the Pre-Final (95%) Design. This updated design schedule is tentative and will be influenced by NYSDEC response time for review and approval of the design documents.

5 References

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NYSDEC. 2018. Statement of Basis. G.T.E. Products Corporation Seneca Falls, Seneca County Site No. 850003. March.

URS Corporation (URS). 2002. RCRA Facility Investigation, Former Phillips Display Components Facility, Seneca Falls, New York for GTE Operations Support Incorporated, Volume 1. June 2002.

TABLES

Table 1
Soil Delineation Analytical Results for Cadmium in Historical Outfall Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

ARCADIS

Upland Head of Ditch

HO2																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date	SCO	Result		Date	SCO	Result		Date	SCO	Result		Date	SCO
Depth (feet)	XRF	Lab	Collected		XRF	Lab	Collected		XRF	Lab	Collected		XRF	Lab	Collected	
0.0-0.5	**57**	**60.3**	07/23/20	9.3	**25**	**23.1**	07/23/20	9.3	**50**	**52.3**	07/23/20	9.3	**126**	**123**	07/24/20	9.3
0.5-1.0	**77**	**71.5**	07/23/20	9.3	**21**	**12.7**	07/23/20	9.3	**54**	**44.5**	07/23/20	9.3	**126**	**77.1**	07/24/20	9.3
1.0-1.5	**79**	**86.5**	07/23/20	9.3	6.0	**16.2**	07/23/20	9.3	**109**	**64.1**	07/23/20	9.3	**125**	**124**	07/24/20	9.3
1.5-2.0	**112**	**88.2**	07/23/20	9.3	**165**	**160**	07/23/20	9.3	**48**	**52**	07/23/20	9.3	**52**	**60.3**	07/24/20	9.3
2.0-2.5	**344**	**231**	07/24/20	9.3	**893**		07/24/20	9.3	**152**	**103**	07/24/20	9.3	**42**	**44.7**	07/27/20	9.3
2.5-3.0	**66**	**61**	07/24/20	9.3	**1,696**		07/24/20	9.3								
3.0-3.5					**1,187**	**1,260**	07/27/20	9.3								
3.5-4.0					**1,569**	**1,540**	07/27/20	9.3								
4.0-4.5																

Toe of Ditch

HO2 (continued)								
	Sample Location 5				Sample Location 6			
	Result		Date	SCO	Result		Date	SCO
Depth (feet)	XRF	Lab	Collected		XRF	Lab	Collected	
0.0-0.5	**105**	**81.1**	07/24/20	9.3	**360**		07/24/20	9.3
0.5-1.0	**104**	**83.3**	07/24/20	9.3	**250**	**166**	07/24/20	9.3
1.0-1.5	**93**	**80.2**	07/24/20	9.3	**168**	**170 [143]**	07/24/20	9.3
1.5-2.0	**98**	**89.7**	07/24/20	9.3	**185**		07/24/20	9.3
2.0-2.5	**77**		07/27/20	9.3	**150**	**141**	07/27/20	9.3
2.5-3.0	**33**	**33.9**	07/27/20	9.3	**83**	**72.1**	07/27/20	9.3
3.0-3.5	1 U	9.3	07/28/20	9.3				
3.5-4.0								

Upland Head of Ditch **Toe of Ditch**

HO3												
	Sample Location 1				Sample Location 2				Sample Location 3			
	Result		Date	SCO	Result		Date	SCO	Result		Date	SCO
Depth (feet)	XRF	Lab	Collected		XRF	Lab	Collected		XRF	Lab	Collected	
0.0-0.5	**304**		07/31/20	9.3	**50**		07/31/20	9.3	**207**		08/03/20	2.5
0.5-1.0	**23**		07/31/20	9.3	**15**		07/31/20	9.3	**53**		08/03/20	2.5
1.0-1.5	**55**	**39.6 J**	07/31/20	9.3	**10**		07/31/20	9.3	**89**	**54.2**	08/03/20	2.5
1.5-2.0	**17**	**22.2 [20.5]**	07/31/20	9.3	**97**		07/31/20	9.3	**8**	**17.8 J [0.79 J]**	08/03/20	2.5
2.0-2.5					**33**		07/31/20	9.3		**15.4 J**	09/11/20	2.5
2.5-3.0					**14**		07/31/20	9.3		1.7	09/11/20	2.5
3.0-3.5					**14**		08/04/20	9.3		0.24	09/11/20	2.5
3.5-4.0					**26**		08/04/20	9.3		2.0	09/11/20	2.5
4.0-4.5					**40**	**24.1**	08/05/20	9.3				
4.5-5.0					1 U	2.1	08/05/20	9.3				

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Table 1
Soil Delineation Analytical Results for Cadmium in Historical Outfall Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Upland Head of Ditch

HO4																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	**916**		07/28/20	9.3	**6,036**		07/28/20	9.3	**1,650**		07/28/20	9.3	**7,674**		07/29/20	9.3
0.5-1.0	**117**		07/28/20	9.3	**1,354**		07/28/20	9.3	**307**		07/28/20	9.3	**1,814**		07/29/20	9.3
1.0-1.5	**556**		07/29/20	9.3	**3,171**		07/28/20	9.3	**67**	**52.3**	07/28/20	9.3	**286**		07/29/20	9.3
1.5-2.0	**11**		07/29/20	9.3	**612**		07/28/20	9.3	1 U	**10.8**	07/28/20	9.3	**66**		07/29/20	9.3
2.0-2.5	**66**	**57.5 J [19.5 J]**	07/30/20	9.3	**231**		07/30/20	9.3	9.0	**17.9 [19.7]**	08/18/20	9.3	**153**		07/30/20	9.3
2.5-3.0	8.0	**11**	07/30/20	9.3	**133**		07/30/20	9.3	6	8.0	08/18/20	9.3	**45**	**35.3**	07/30/20	9.3
3.0-3.5		4.2 [4.5]	09/11/20	9.3	**141**	**100 [104]**	08/04/20	9.3					1 U	**0.73 J [18.4 J]**	08/04/20	9.3
3.5-4.0		1.9	09/11/20	9.3	**401**	**325**	08/04/20	9.3						**60.1 J [42.3 J]**	11/16/20	9.3
4.0-4.5					**177**		08/06/20	9.3						**28.5 J**	11/16/20	9.3
4.5-5.0					**155**		08/06/20	9.3								
5.0-5.5					**188**	**165**	08/10/20	9.3								
5.5-6.0					5.0	**57**	08/10/20	9.3								
6.0-6.5																

Toe of Ditch

HO4 (continued)								
	Sample Location 5				Sample Location 6			
	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab		
0.0-0.5	**1,934**		07/29/20	9.3	**4,487**		07/29/20	2.5
0.5-1.0	**1,179**		07/29/20	9.3	**4,053**		07/29/20	2.5
1.0-1.5	**457**		07/29/20	9.3	**24,507**		07/29/20	2.5
1.5-2.0	**335**		07/29/20	9.3	**6,716**		07/29/20	2.5
2.0-2.5	**146**		07/30/20	9.3	**2,112**		08/03/20	2.5
2.5-3.0	**39**		07/30/20	9.3	**635**		08/03/20	2.5
3.0-3.5	**1,528**	**1,640**	08/04/20	9.3	**559**	**395**	08/06/20	2.5
3.5-4.0	1 U	9.1	08/04/20	9.3	**4.0**	**406**	08/06/20	2.5
4.0-4.5								

See Notes on Page 4

Table 1
Soil Delineation Analytical Results for Cadmium in Historical Outfall Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
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ARCADIS

Upland Head of Ditch

HO5																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	**90**		07/30/20	9.3	**99**		07/30/20	9.3	**71**		07/30/20	9.3	**18,110**		07/29/20	2.5
0.5-1.0	**72**		07/30/20	9.3	**169**		07/30/20	9.3	**46**		07/30/20	9.3	**33,708**		07/29/20	2.5
1.0-1.5	**84**		07/30/20	9.3	**79**		07/30/20	9.3	**14**		07/30/20	9.3	**3,218**		07/29/20	2.5
1.5-2.0	**91**	**59.7 J**	07/30/20	9.3	**67**		07/30/20	9.3	**17**	**21.3 [30.4]**	07/30/20	9.3	**368**		07/29/20	2.5
2.0-2.5	1 U	7.0	08/11/20	9.3	**61**		08/05/20	9.3	**16**		08/03/20	9.3	**228**	**179**	08/03/20	2.5
2.5-3.0	1 U			9.3	**34**		08/05/20	9.3	**24**		08/03/20	9.3	**2,553**	**1,810**	08/03/20	2.5
3.0-3.5				9.3	**26**		08/05/20	9.3	**24**	**19.3**	08/05/20	9.3				2.5
3.5-4.0				9.3	**16**		08/05/20	9.3	1 U	2.5	08/05/20	9.3				2.5
4.0-4.5				9.3	**25**		08/10/20	9.3	4		08/05/20	9.3				2.5
4.5-5.0				9.3	**12**	**18.4**	08/10/20	9.3				9.3				2.5
5.0-5.5					**12**	**14.8**	08/12/20	9.3								
5.5-6.0																

Toe of Ditch

HO5 (continued)				
	Sample Location 5			
	Result		Date Collected	SCO
Depth (feet)	XRF	Lab		
0.0-0.5	**476**		07/29/20	2.5
0.5-1.0	**625**		07/29/20	2.5
1.0-1.5	**217**	**315**	07/29/20	2.5
1.5-2.0	**301**	**237**	07/29/20	2.5
2.0-2.5				

Upland Head of Ditch **Toe of Ditch**

HO6																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	**87**	**94.6 J**	08/03/20	9.3	**32**	**34.9**	07/31/20	9.3	**43**	**46.1**	07/31/20	9.3	**54**	**53.4**	07/31/20	9.3
0.5-1.0	1 U	3.8	08/03/20	9.3	1 U	0.86 J [1.5 J]	07/31/20	9.3	1 U	5.7	07/31/20	9.3	1 U	2.3	07/31/20	9.3
1.0-1.5	1 U		08/03/20	9.3	1 U		07/31/20	9.3	1		07/31/20	9.3	1 U		07/31/20	9.3
1.5-2.0	1 U		08/03/20	9.3	1 U		07/31/20	9.3	1 U		07/31/20	9.3	1 U		07/31/20	9.3

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Table 1
Soil Delineation Analytical Results for Cadmium in Historical Outfall Areas
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Former Phillips Display Components Facility
Seneca Falls, New York

Upland Head of Ditch **Toe of Ditch**

HO7																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	**62**	**61.6**	07/27/20	9.3	4	**11.3**	07/28/20	9.3	**98**	**86.3**	08/06/20	9.3	**132**		08/06/20	9.3
0.5-1.0	1 U	5.0	07/27/20	9.3	1 U	0.2 U	07/28/20	9.3	1 U	0.42 J [1.9 J]	08/06/20	9.3	**16**	**14.4**	08/06/20	9.3
1.0-1.5	1 U		07/28/20	9.3	1 U		07/28/20	9.3	1 U		08/06/20	9.3	1 U	0.34 J	08/06/20	9.3
1.5-2.0	1 U		07/28/20	9.3	1 U		07/28/20	9.3	1 U		08/06/20	9.3	1 U		08/06/20	9.3

Upland Head of Ditch

HO67																
	Sample Location 1				Sample Location 2				Sample Location 3				Sample Location 4			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	**154**	**168**	08/10/20	9.3	1 U	1.9 J [4.7 J]	08/10/20	9.3	**77**	**46.9**	07/31/20	9.3	**46**	**34.2**	08/07/20	9.3
0.5-1.0	1 U	2.0	08/10/20	9.3	1 U	1.2 J	08/10/20	9.3	1 U	0.2 U	07/31/20	9.3	1 U	0.39 J	08/07/20	9.3
1.0-1.5	1 U		08/10/20	9.3	3		08/10/20	9.3	1 U		07/31/20	9.3	1 U		08/07/20	9.3
1.5-2.0	1 U		08/10/20	9.3	1		08/10/20	9.3	1 U		07/31/20	9.3	1 U		08/07/20	9.3

Toe of Ditch

HO67 (continued)																
	Sample Location 8				Sample Location 5				Sample Location 6				Sample Location 7			
	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO	Result		Date Collected	SCO
Depth (feet)	XRF	Lab			XRF	Lab			XRF	Lab			XRF	Lab		
0.0-0.5	1 U	0.2 U	08/13/20	9.3	1 U	5.4 J [0.30 J]	08/07/20	9.3	1 U	0.2 U	08/07/20	9.3	1 U	0.4	08/07/20	9.3
0.5-1.0	1 U		08/13/20	9.3	1 U		08/07/20	9.3	1 U		08/07/20	9.3	1 U		08/07/20	9.3
1.0-1.5	1 U		08/13/20	9.3	1 U		08/07/20	9.3	1 U		08/07/20	9.3	2		08/07/20	9.3
1.5-2.0	1 U		08/13/20	9.3	1 U		08/07/20	9.3	1 U		08/07/20	9.3	1 U		08/07/20	9.3

Notes:
1. Units are in milligrams per kilogram
2. Thick solid line = targeted depth of excavation, except at historical outfall HO3 (as noted in Section 2.3)
3. Light blue shading = water table
4. Crossed boxes = soil boring refusal
5. Bolded and gray shaded values indicate the analytical sample result exceeded the SCO.

Abbreviations and Symbols:
[ ] = duplicate sample result
Lab = laboratory analytical result
SCO = soil cleanup objective
XRF = x-ray fluorescence

Qualifiers:
J = Estimated concentration below the reporting limit but above the method detection limit.
U = The compound was analyzed for but not determined to be present at or above the associated reporting limit.

Table 2
Soil TCLP Analytical Results for RCRA Metals in Historical Outfall Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: / Date Collected:	Toxicity Characteristic Regulatory Level	HO2-DITCH-06 (0.5-1.0)-TCLP 8/12/2020	HO3-DITCH-03 (1.0-1.5)-TCLP 8/12/2020	HO4-DITCH-04 (0.5-1.0)-TCLP 8/12/2020	HO5-DITCH-02 (1.5-2.0)-TCLP 8/10/2020
Arsenic	5	0.015 U	0.015 U	0.015 U	0.015 U
Barium	100	1.0 U	1.9	3.0	1.0 U
Cadmium	1	**1.3**	**2.7**	**8.4**	**1.4**
Chromium	5	0.020 U	0.020 U	0.020 U	0.020 U
Lead	5	0.020 U	0.071	0.04	0.020 U
Selenium	1	0.025 U	0.025 U	0.025 U	0.025 U
Silver	5	0.0060 U	0.0060 U	0.0060 U	0.0060 U
Mercury	0.2	0.00020 U	0.00020 U	0.00020 U	0.00020 U

Location ID: / Date Collected:	Toxicity Characteristic Regulatory Level	HO5-DITCH-04 (0.0-0.5)-TCLP 8/10/2020	HO6-DITCH-04 (0.0-0.5)-TCLP 8/11/2020	HO7-DITCH-01 (0.0-0.5)-TCLP 8/11/2020	HO67-DITCH-03 (0.0-0.5)-TCLP 8/11/2020	WC-081810-1 8/18/2020
Arsenic	5	0.015 U	0.015 U	0.015 U	0.015 U	0.015 U
Barium	100	3.5	1.0 U	1.0 U	1.0 U	1.6
Cadmium	1	**21.1**	0.28	0.16	0.15	**2.7**
Chromium	5	0.088	0.020 U	0.020 U	0.020 U	0.020 U
Lead	5	0.68	0.020 U	0.020 U	0.020 U	0.020 U
Selenium	1	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
Silver	5	0.0060 U	0.0060 U	0.0060 U	0.0060 U	0.0060 U
Mercury	0.2	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U

Notes:
1. Units are in milligrams per liter.
2. Analytes reported at concentrations that exceed a toxicity characteristic in 40 C.F.R. § 261.24 - Table 1 are bolded and shaded.
3. Sample WC-081810-1 is the waste drum from historical outfall pre-design investigation activities.

Abbreviations and Symbols:
RCRA = Resource Conservation and Recovery Act
TCLP = Toxicity Characteristic Leaching Procedure

Qualifier:
U = The compound was analyzed for but not determined to be present at or above the associated reporting limit.

Table 3
Soil Analytical Results for VOCs in Operable Unit 1 Shallow Soil Investigation Area
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	NYSDEC Table 375-6: Commercial Use SCO	S-01 1 09/14/20	S-01 3.5 09/14/20	S-02 0.5 09/14/20	S-02 1 09/14/20	S-03 0.5 09/14/20	S-03 1 09/14/20	S-04 0.4 09/14/20	S-04 0.7 09/14/20
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	- -	5.7 U	6.1 U	240 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
1,3-Dichlorobenzene	541-73-1	280,000	5.7 U	6.4	110 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
1,4-Dichlorobenzene	106-46-7	130,000	5.7 U	8.7	110 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
Acetone	67-64-1	500,000	28 U	31 U	550 U	17,000 U	26 U	32,000 U	25 U	26 U
cis-1,2-Dichloroethene	156-59-2	500,000	5.7 U	68	500	8,200	9.7 U	6,400 U	5.0 U	5.2 U
Dichloromethane	75-09-2	500,000	5.7 U	6.1 U	110 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
Toluene	108-88-3	500,000	5.7 U	6.1 U	110 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
trans-1,2-Dichloroethene	156-60-5	500,000	5.7 U	6.1 U	110 U	3,400 U	5.2 U	6,400 U	5.0 U	5.2 U
Trichloroethene	79-01-6	200,000	25	20	49,000	**320,000**	300 E	**330,000**	5.0 U	6.3

Location ID: Sample Depth (feet): Date Collected:	CAS Number	NYSDEC Table 375-6: Commercial Use SCO	S-05 0.6 09/14/20	S-05 1.3 09/14/20	S-06 0.5 09/14/20	S-06 1.3 09/14/20	S-07 0.5 09/14/20	S-07 1.5 09/14/20	S-08 0.5 09/14/20	S-08 1.3 09/14/20
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	- -	110 U	3,000 UT	5.0 U [110 U]	5.4 U	5.3 U	6.2 U	5.3 U	6.2 U
1,3-Dichlorobenzene	541-73-1	280,000	110 U	3,000 UT	5.0 U [110 U]	5.4 U	5.3 U	6.2 U	5.3 U	6.2 U
1,4-Dichlorobenzene	106-46-7	130,000	110 U	3,000 U	5.0 U [110 U]	5.4 U	5.3 U	6.2 U	5.3 U	6.2 U
Acetone	67-64-1	500,000	550 U	15,000 UT	25 U [540 U]	27 U	26 U	31 U	27 U	31 U
cis-1,2-Dichloroethene	156-59-2	500,000	170	3,000 UT	5.0 U [110 U]	5.4 U	5.3 U	70	7.0 U	60
Dichloromethane	75-09-2	500,000	110 U	3,000 UT	5.0 U [110 U]	5.5	5.3 U	6.2 U	5.3 U	6.2 U
Toluene	108-88-3	500,000	110 U	3,000 U	5.0 U [110 U]	5.4 U	5.3 U	6.2 U	5.3 U	6.2 U
trans-1,2-Dichloroethene	156-60-5	500,000	110 U	3,000 U	5.0 U [110 U]	5.4 U	5.3 U	13 U	5.3 U	7.3 U
Trichloroethene	79-01-6	200,000	8,400	**260,000**	5.0 UJ [640 J]	37	87	**320,000**	5,100	160,000

Location ID: Sample Depth (feet): Date Collected:	CAS Number	NYSDEC Table 375-6: Commercial Use SCO	S-09 0.5 09/14/20	S-09 1.3 09/14/20	S-10 1 09/14/20	S-10 4 09/14/20	S-11 0.5 09/14/20	S-11 1.3 09/14/20	S-12 0.8 09/14/20	S-12 1.6 09/14/20
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	- -	200 U	12,000 U	5,100 U	5.8 U	210 U	2,900 U	500 U	7,400 U
1,3-Dichlorobenzene	541-73-1	280,000	200 U	12,000 U	5,100 U	5.8 U	210 U	2,900 U	500 U	7,400 U
1,4-Dichlorobenzene	106-46-7	130,000	200 U	12,000 U	5,100 U	5.8 U	210 U	2,900 U	500 U	7,400 U
Acetone	67-64-1	500,000	1,000 U	58,000 U	25,000 U	100	1,000 U	15,000 U	2,500 U	37,000 U
cis-1,2-Dichloroethene	156-59-2	500,000	200 U	12,000 U	9,400	5.8 U	210 U	2,900 U	840	11,000
Dichloromethane	75-09-2	500,000	200 U	12,000 U	5,100 U	5.8 U	210 U	2,900 U	500 U	7,400 U
Toluene	108-88-3	500,000	200 U	12,000 U	5,100 U	5.8 U	780	2,900 U	500 U	7,400 U
trans-1,2-Dichloroethene	156-60-5	500,000	200 U	12,000 U	5,100 U	5.8 U	210 U	2,900 U	500 U	7,400 U
Trichloroethene	79-01-6	200,000	11,000	**660,000**	**250,000**	5.8 U	9,100	170,000	41,000	**490,000**

See Notes on Page 2.

Table 3
Soil Analytical Results for VOCs in Operable Unit 1 Shallow Soil Investigation Area
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	NYSDEC Table 375-6: Commercial Use SCO	S-13 0.3 09/14/20	S-13 0.9 09/14/20	S-14 0.4 - 0.6 10/02/20	S-14 0.6 - 0.8 10/02/20	S-15 0.5 - 0.7 10/02/20	S-16 1.1 - 1.3 10/02/20	S-17 0.6 10/02/20	S-17 0.7 - 0.9 10/02/20
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	- -	420 U	900 U	110 U	6,300 U	420 U	520 U	300	840
1,3-Dichlorobenzene	541-73-1	280,000	420 U	900 U	110 U	6,300 U	420 U	520 U	110 U	470 U
1,4-Dichlorobenzene	106-46-7	130,000	420 U	900 U	110 U	6,300 U	420 U	520 U	110 U	470 U
Acetone	67-64-1	500,000	2,100 U	4,500 U	550 U	31,000 U	2,100 U	2,600 U	560 U	2,400 U
cis-1,2-Dichloroethene	156-59-2	500,000	420 U	4,200	110 U	6,300 U	420 U	15,000	170	560
Dichloromethane	75-09-2	500,000	420 U	900 U	110 U	6,300 U	420 U	520 U	110 U	470 U
Toluene	108-88-3	500,000	420 U	900 U	110 U	6,300 U	420 U	520 U	110 U	470 U
trans-1,2-Dichloroethene	156-60-5	500,000	420 U	900 U	110 U	6,300 U	420 U	730	110 U	470 U
Trichloroethene	79-01-6	200,000	15,000	49,000	9,300	160,000	15,000	41,000	7,400	29,000

Notes:
1. Units are in micrograms per kilogram.
2. Only constituents that were reported in at least one sample are included.
3. Bold and shaded values exceed the commercial SCO.

Abbreviations and Symbols:
-- = no value
[ ] = duplicate sample result
CAS = Chemical Abstracts Service
NYSDEC = New York State Department of Environmental Conservation
SCO = soil cleanup objective
VOC = volatile organic compound

Qualifiers:
E = Result exceeded calibration range.
J = Estimated concentration below the reporting limit but above the method detection limit.
U = The compound was analyzed for but not determined to be present at or above the associated reporting limit.

Table 4
Analytical Results for VOCs in Operable Unit 1 Investigation-Derived Waste
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Sample ID: Date Collected: Matrix:	Toxicity Characteristic Regulatory Level	IDW-01_20201002 10/2/2020 Solid
TCLP Results		
1,1-Dichloroethene	0.7	0.010 U
1,2-Dichloroethane	0.5	0.010 U
2-Butanone (MEK)	- -	0.050 U
Benzene	0.5	0.010 U
Carbon Tetrachloride	0.5	0.010 U
Chlorobenzene	100	0.010 U
Chloroform	6.0	0.010 U
Tetrachloroethene	0.5	0.010 U
Trichloroethene	0.5	0.21
Vinyl chloride	0.2	0.010 U

Sample ID: Date Collected: Matrix:	Toxicity Characteristic Regulatory Level	IDW-02_20201002 10/2/2020 Water
Totals Results		
1,1-Dichloroethene	0.7	0.020 U
1,2-Dichloroethane	0.5	0.020 U
2-Butanone (MEK)	- -	0.040 U
Benzene	0.5	0.020 U
Carbon Tetrachloride	0.5	0.020 U
Chlorobenzene	100	0.020 U
Chloroform	6.0	0.020 U
Tetrachloroethene	0.5	0.020 U
Trichloroethene	0.5	0.18
Vinyl chloride	0.2	0.020 U

Notes:
1. Units are in milligrams per liter

Abbreviations and Symbols:
-- = no value
TCLP = Toxicity Characteristic Leaching Procedure
VOC = volatile organic compound

Qualifier:
U = The compound was analyzed for but not determined to be present at or above the associated reporting limit

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-01 26 09/15/20	D-01 29.3 09/15/20	D-01 32.5 09/15/20	D-02 25 09/15/20	D-02 32 09/15/20	D-02 33 09/15/20	D-03 31.5 09/16/20	D-03 35 09/16/20	D-04 28.3 09/16/20	D-04 28.8 09/16/20	D-04 29.1 09/16/20	D-04 29.8 09/16/20	D-05 29.5 09/17/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
1,1-Dichloroethane	75-34-3	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
1,1-Dichloroethene	75-35-4	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
1,2-Dichloroethane	107-06-2	1,200	1,100 U [1,100 U]	1,100 U	2,100	5,800 U	11,000	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
1,2-Dichloropropane	78-87-5	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
2-Butanone (MEK)	78-93-3	5,800 U	5,600 U [5,700 U]	5,600 U	5,500 U	29,000 U	13,000 U	18,000 U	2,800 U	12,000 U	48,000 U	580,000 U	5,900 U	1,300 U
4-Methyl-2-Pentanone	108-10-1	5,800 U	5,600 U [5,700 U]	5,600 U	5,500 U	29,000 U	13,000 U	18,000 U	2,800 U	12,000 U	48,000 U	580,000 U	5,900 U	1,300 U
Acetone	67-64-1	5,800 U	5,600 U [5,700 U]	5,600 U	5,500 U	29,000 U	13,000 U	18,000 U	2,800 U	12,000 U	48,000 U	580,000 U	5,900 U	1,300 U
Benzene	71-43-2	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Carbon Disulfide	75-15-0	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
CFC-12	75-71-8	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
cis-1,2-Dichloroethene	156-59-2	1,600	5,000 [7,500]	9,400 T	3,000	13,000	2,500	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	4,000
Cyclohexane	110-82-7	1,200 U T	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U T	560 U T	2,300 U T	9,600 U T	120,000 U T	1,200 U T	260 U T
Dichloromethane	75-09-2	1,200 U	1,100 U [1,100 U]	1,100 U T	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Ethylbenzene	100-41-4	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Methylcyclohexane	108-87-2	1,200 U T	1,100 U T [1,100 U]	1,100 U T	1,100 U T	5,800 U T	2,500 U T	3,600 U T	560 U T	2,300 U T	9,600 U T	120,000 U T	1,200 U T	260 U T
Tetrachloroethene	127-18-4	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Toluene	108-88-3	1,300	1,900 [2,300]	1,600	1,600	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Total Xylenes	1330-20-7	2,300 U	2,300 U [2,300 U]	2,200 U	2,200 U	12,000 U	5,000 U	7,200 U	1,100 U	4,600 U	19,000 U	230,000 U	2,400 U	530 U
trans-1,2-Dichloroethene	156-60-5	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
Trichloroethene	79-01-6	45,000	43,000 [60,000]	50,000	50,000	230,000	86,000	190,000	27,000	86,000	320,000	**10,000,000**	54,000	14,000
Vinyl chloride	75-01-4	1,200 U	1,100 U [1,100 U]	1,100 U	1,100 U	5,800 U	2,500 U	3,600 U	560 U	2,300 U	9,600 U	120,000 U	1,200 U	260 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-05 30.3 09/17/20	D-05 32.8 09/17/20	D-06 26.7 09/17/20	D-06 34.5 09/17/20	D-06 37.6 09/17/20	D-07 18.5 09/17/20	D-08 22 09/18/20	D-09 16.5 09/18/20	D-10 29.5 09/18/20	D-11 30.5 09/21/20	D-11 33.5 09/21/20	D-11 34.5 09/21/20	D-12 26.5 09/21/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
1,1-Dichloroethane	75-34-3	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
1,1-Dichloroethene	75-35-4	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
1,2-Dichloroethane	107-06-2	580 U	550 U	120 U	110 U	430 U	120	270 [160]	650	580 U	540 U	260 U	1,300 U	560
1,2-Dichloropropane	78-87-5	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
2-Butanone (MEK)	78-93-3	2,900 U	2,700 U	590 U	550 U	2,200 U	590 U	560 U [560 U]	1,100 U	2,900 U	2,700 U	1,300 U	6,700 U	600 U
4-Methyl-2-Pentanone	108-10-1	2,900 U	2,700 U	590 U	550 U	2,200 U	590 U	560 U [560 U]	1,100 U	2,900 U	2,700 U	1,300 U	6,700 U	600 U
Acetone	67-64-1	2,900 U	2,700 U	590 U	550 U	2,200 U	590 U	560 U [560 U]	1,100 U	2,900 U	2,700 U	1,300 U	6,700 U	600 U
Benzene	71-43-2	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Carbon Disulfide	75-15-0	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
CFC-12	75-71-8	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
cis-1,2-Dichloroethene	156-59-2	8,600	1,400	710	290	730	860	1,500 J [640 J]	3,800 T	4,700	2,500	260 U	1,400	3,900
Cyclohexane	110-82-7	580 U T	550 U T	120 U T	110 U T	430 U T	120 U T	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Dichloromethane	75-09-2	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 UT	260 UT	1,300 U T	120 U T
Ethylbenzene	100-41-4	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Methylcyclohexane	108-87-2	580 U T	550 U T	120 U T	110 U T	430 U T	120 U T	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Tetrachloroethene	127-18-4	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Toluene	108-88-3	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Total Xylenes	1330-20-7	1,200 U	1,100 U	240 U	220 U	870 U	240 U	230 U [220 U]	450 U	1,200 U	1,100 U	510 U	2,700 U	240 U
trans-1,2-Dichloroethene	156-60-5	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	120 U
Trichloroethene	79-01-6	27,000	29,000	810	2,600	15,000	1,300	4,800 J [1,400 J]	12,000	36,000	41,000	8,900	89,000	1,700
Vinyl chloride	75-01-4	580 U	550 U	120 U	110 U	430 U	120 U	110 U [110 U]	220 U	580 U	540 U	260 U	1,300 U	450
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

ARCADIS

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-12 29.5 09/21/20	D-12 32.7 09/21/20	D-13 20.5 09/21/20	D-13 24.5 09/21/20	D-13 32.4 09/21/20	D-14 1.7 - 2.2 09/22/20	D-14 26.8 09/22/20	D-14 33 09/22/20	D-14 34.2 09/22/20	D-15 32.2 - 32.4 09/22/20	D-15 33.1 09/22/20	D-16 4 - 4.5 09/22/20	D-16 23.5 - 24 09/22/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
1,1-Dichloroethane	75-34-3	310 U	250 U	470 U	890 U	1,000 U	150	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
1,1-Dichloroethene	75-35-4	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
1,2-Dichloroethane	107-06-2	1,600	250 U	470 U	890 U	1,000 U	240	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470
1,2-Dichloropropane	78-87-5	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
2-Butanone (MEK)	78-93-3	1,600 U	1,300 U	2,300 U	4,500 U	5,100 U	710 U T	15,000 U T	36,000 U T [5,600 U T]	6,300 U T	6,600 U T	5,000 U T	NA	2,300 U T
4-Methyl-2-Pentanone	108-10-1	1,600 U	1,300 U	2,300 U	4,500 U	5,100 U	710 U	15,000 U	36,000 U [5,600 U]	6,300 U	6,600 U	5,000 U	NA	2,300 U
Acetone	67-64-1	1,600 U	1,300 U	2,300 U	4,500 U	5,100 U	710 U	15,000 U	36,000 U [5,600 U]	6,300 U	6,600 U	5,000 U	NA	2,300 U
Benzene	71-43-2	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
Carbon Disulfide	75-15-0	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
CFC-12	75-71-8	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
cis-1,2-Dichloroethene	156-59-2	11,000	330	470 U	890 U	1,000 U	1,700	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	28,000
Cyclohexane	110-82-7	310 U	250 U	470 U	890 U	1,000 U	700	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	740
Dichloromethane	75-09-2	310 U T	250 U T	470 U T	890 U T	1,000 U T	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
Ethylbenzene	100-41-4	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	880
Methylcyclohexane	108-87-2	310 U	250 U	470 U	890 U	1,000 U	1,700	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	2,200
Tetrachloroethene	127-18-4	310 U	250 U	470 U	890 U	1,000 U	140 U	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
Toluene	108-88-3	310 U	250 U	470 U	890 U	1,000 U	330	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U
Total Xylenes	1330-20-7	620 U	500 U	930 U	1,800 U	2,000 U	680	5,900 U	14,000 U [2,300 U]	2,500 U	2,600 U	2,000 U	NA	2,300
trans-1,2-Dichloroethene	156-60-5	310 U	250 U	470 U	890 U	1,000 U	1,400	2,900 U	7,200 U [1,100 U]	1,300 U	1,300 U	1,000 U	NA	470 U T
Trichloroethene	79-01-6	2,500	8,800	27,000	28,000	42,000	1,100	120,000	260,000 J [37,000 J]	61,000	70,000	37,000	NA	29,000
Vinyl chloride	75-01-4	2,000	250 U	470 U	890 U	1,000 U	430 J	2,900 U J	7,200 U J [1,100 U J]	1,300 U J	1,300 U J	1,000 U J	NA	470 U J
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	95.7	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.5	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-16 27.5 09/22/20	D-17 23.5 09/23/20	D-17 34.5 09/23/20	D-18 12.1 09/23/20	D-18 14 09/23/20	D-19 22.8 09/30/20	D-20 14.6 09/30/20	D-21 2.25 09/30/20	D-21 12.5 09/30/20	D-21 12.9 09/30/20	D-21 17.5 09/30/20	D-21 28.5 09/30/20	D-22 15.5 10/01/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U T
1,1-Dichloroethane	75-34-3	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
1,1-Dichloroethene	75-35-4	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
1,2-Dichloroethane	107-06-2	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
1,2-Dichloropropane	78-87-5	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
2-Butanone (MEK)	78-93-3	11,000 U T	5,600 U	740 U	2,400 U	5,700 U	2,400 U	4,500 U	NA	23,000 U	23,000 U	23,000 U [23,000 U]	2,400 U	23,000 U
4-Methyl-2-Pentanone	108-10-1	11,000 U	5,600 U	740 U	2,400 U	5,700 U	2,400 U	4,500 U	NA	23,000 U	23,000 U	23,000 U [23,000 U]	2,400 U	23,000 U
Acetone	67-64-1	11,000 U	5,600 U	740 U	2,400 U	5,700 U	2,400 U	4,500 U	NA	23,000 U	23,000 U	23,000 U [23,000 U]	2,400 U	23,000 U
Benzene	71-43-2	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Carbon Disulfide	75-15-0	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
CFC-12	75-71-8	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
cis-1,2-Dichloroethene	156-59-2	6,400	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Cyclohexane	110-82-7	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Dichloromethane	75-09-2	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U T
Ethylbenzene	100-41-4	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Methylcyclohexane	108-87-2	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Tetrachloroethene	127-18-4	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U T
Toluene	108-88-3	2,200	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Total Xylenes	1330-20-7	4,500 U	2,200 U	300 U	970 U	2,300 U	960 U	1,800 U	NA	9,400 U	9,100 U	9,300 U [9,300 U]	960 U	9,200 U T
trans-1,2-Dichloroethene	156-60-5	2,200 U	1,100 U	150 U	490 U	1,100 U	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U
Trichloroethene	79-01-6	79,000	51,000	4,000	45,000	59,000	30,000	39,000	NA	150,000	170,000	200,000 [150,000]	16,000	160,000
Vinyl chloride	75-01-4	2,200 U J	1,100 U J	150 U J	490 U J	1,100 U J	480 U	900 U	NA	4,700 U	4,500 U	4,700 U [4,700 U]	480 U	4,600 U J
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	96.4	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	20.5	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	3.6	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-22 16.5 10/01/20	D-23 14.5 10/01/20	D-23 21.5 10/01/20	D-24 30.3 10/01/20	D-24 31.5 10/01/20	D-25 15.5 10/02/20	D-25 17.5 10/02/20	D-26 23.5 10/02/20	D-26 25.5 10/02/20	D-26 26.5 10/02/20	D-26 29.5 10/02/20	D-27 12.5 11/02/20	D-27 13.69 11/02/20	D-27 32.9 11/02/20
VOCs (µg/kg)															
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
1,1-Dichloroethane	75-34-3	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
1,1-Dichloroethene	75-35-4	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
1,2-Dichloroethane	107-06-2	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
1,2-Dichloropropane	78-87-5	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
2-Butanone (MEK)	78-93-3	12,000 U	2,300 U	4,600 U	1,300 U	1,000 U	5,600 U	5,600 U	5,400 U	11,000 U	5,600 U	12,000 U	57	88	30 U
4-Methyl-2-Pentanone	108-10-1	12,000 U	2,300 U	4,600 U	1,300 U	1,000 U	5,600 U	5,600 U	5,400 U	11,000 U	5,600 U	12,000 U	47	79	36
Acetone	67-64-1	12,000 U	2,300 U	4,600 U	1,300 U	1,000 U	5,600 U	5,600 U	5,400 U	11,000 U	5,600 U	12,000 U	880	1,400 J	30 U
Benzene	71-43-2	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Carbon Disulfide	75-15-0	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
CFC-12	75-71-8	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
cis-1,2-Dichloroethene	156-59-2	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	6,000	6,400	3,500	8,400 T	1,500	2,100	29
Cyclohexane	110-82-7	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Dichloromethane	75-09-2	2,300	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Ethylbenzene	100-41-4	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Methylcyclohexane	108-87-2	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Tetrachloroethene	127-18-4	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	17	18	120
Toluene	108-88-3	2,300 U	450 U	930 U	260 U	220	1,100 U	1,100 U	1,400	2,300	1,900	2,400 U	440 J	620 J	1,500 J
Total Xylenes	1330-20-7	4,700 U	900 U	1,900 U	520 U	400 U	2,200 U	2,300 U	2,200 U	4,500 U	2,200 U	4,900 U T	11 U	11 U	12 U
trans-1,2-Dichloroethene	156-60-5	2,300 U	450 U	930 U	260 U	200 U	1,100 U	1,100 U	1,100 U	2,300 U	1,100 U	2,400 U	5.3 U	5.5 U	6.0 U
Trichloroethene	79-01-6	87,000	22,000	40,000	9,700	12,000	61,000	59,000	54,000	82,000	60,000	120,000	57,000	81,000	160,000
Vinyl chloride	75-01-4	2,300 U J	450 U	930 U	260 U	200 U	1,100 U J	1,100 U J	1,100 U J	2,300 U J	1,100 U J	2,400 U J	5.3 U	13	6.0 U
General Chemistry (%)															
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-27 33.29 11/02/20	D-28 13.89 11/02/20	D-28 19.5 11/02/20	D-28 32.4 11/02/20	D-29 15.5 11/03/20	D-29 30.1 11/03/20	D-30 8.39 11/03/20	D-30 15.5 11/03/20	D-30 17.5 11/03/20	D-31 18.39 11/03/20	D-32 14.5 11/04/20	D-32 18.5 11/04/20	D-33 23.5 11/04/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	6.5 U	4400	40	43,000	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	36	460 U	5.3 U	5.5 U	900 U
1,1-Dichloroethane	75-34-3	6.5 U	5.4 U	41	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	9.0	460 U	5.3 U	5.5 U	900 U
1,1-Dichloroethene	75-35-4	6.5 U	5.4 U	41	290 U	15	5.3 U [220 U]	5.6 U	6.9	56	460 U	15	19	900 U
1,2-Dichloroethane	107-06-2	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
1,2-Dichloropropane	78-87-5	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
2-Butanone (MEK)	78-93-3	32 U	27 U	28 U	1,500 U	27 U	26 U [1,100 U]	28 U	27 U	28 U	2,300 U	27 U	27 U	4,500 U
4-Methyl-2-Pentanone	108-10-1	45	27 U	28 U	1,500 U	27 U	26 U [1,100 U]	28 U	27 U	28 U	2,300 U	27 U	27 U	4,500 U
Acetone	67-64-1	32 U	27 U	28 U	1,500 U	27 U	26 U [1,100 U]	28 U	27 U	29	2,300 U	27 U	27 U	4,500 U
Benzene	71-43-2	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
Carbon Disulfide	75-15-0	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
CFC-12	75-71-8	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	9.7	460 U	5.3 U	5.5 U	900 U
cis-1,2-Dichloroethene	156-59-2	27	36	200	290 U	170	5.3 U [220 U]	15	120 J	280 J	460 U	200	250 J	5,400
Cyclohexane	110-82-7	6.5 U	5.4 U	5.5 U	290 U	5.5 U T	5.3 UT [220 U]	5.6 U T	5.5 U T	5.5 U T	460 U	5.3 U T	5.5 U T	900 U
Dichloromethane	75-09-2	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
Ethylbenzene	100-41-4	6.5 U	14	41	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 UJ	5.8	460 U	5.3 U	5.5 U	900 U
Methylcyclohexane	108-87-2	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	5.5 U	460 U	5.3 U	5.5 U	900 U
Tetrachloroethene	127-18-4	86	20	29	290 U	5.5 U	5.3 U [220 U]	21	16	35	460 U	5.3 U	5.5 U	900 U
Toluene	108-88-3	1,200 J	51	85	290 U	8.8	5.3 U [220 U]	15	61 T	120	460 U	5.3 U	5.5 U	1,100
Total Xylenes	1330-20-7	13 U	62	200	590 U	11 U	11 U [440 U]	11 U	11 U	26	930 U	11 U	11 U	1,800 U
trans-1,2-Dichloroethene	156-60-5	6.5 U	5.4 U	5.6	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	11	460 U	5.7	5.5 U	900 U
Trichloroethene	79-01-6	94,000	120,000	120,000	23,000	61,000	20,000 [17,000]	11,000	78,000	120,000	23,000	51,000	55,000	37,000
Vinyl chloride	75-01-4	6.5 U	5.4 U	5.5 U	290 U	5.5 U	5.3 U [220 U]	5.6 U	5.5 U	9.4	460 U	17	21	900 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-33 24.79 11/04/20	D-34 26 11/04/20	D-34 27 11/04/20	D-34 28.5 11/04/20	D-34 31.5 11/04/20	D-35 4.3 11/05/20	D-35 28.7 11/05/20	D-35 33 11/05/20	D-36 32.8 11/05/20	D-37 26.9 11/05/20	D-37 28.3 11/05/20	D-37 31.7 11/05/20	D-37 32.3 11/05/20
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5.5 U	5.3 U	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
1,1-Dichloroethane	75-34-3	5.5 U	5.3 U	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
1,1-Dichloroethene	75-35-4	27	30	11	31	15	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
1,2-Dichloroethane	107-06-2	910 J	330 J	370 J	460 J	3,500	460 U	560	320	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
1,2-Dichloropropane	78-87-5	5.5 U	5.3 U	5.4 U	5.9	36	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
2-Butanone (MEK)	78-93-3	28 U	26 U	27 U	28 U	29 U	2,300 U	2,300 U	1,200 U	1,100 U	11,000 U [11,000 U]	28,000 U	6,300 U	6,400 U
4-Methyl-2-Pentanone	108-10-1	28 U	26 U	27 U	28 U	48	2,300 U	2,300 U	1,200 U	1,100 U	11,000 U [11,000 U]	28,000 U	6,300 U	6,400 U
Acetone	67-64-1	28 U	26 U	27 U	28 U	110	2,300 U	2,300 U	1,200 U	1,100 U	11,000 U [11,000 U]	28,000 U	6,300 U	6,400 U
Benzene	71-43-2	5.5 U	5.4	5.4 U	5.5 U	14	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Carbon Disulfide	75-15-0	5.5 U	5.3 U	5.4 U	5.5 U	7.6	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
CFC-12	75-71-8	5.5 U	5.3 U	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
cis-1,2-Dichloroethene	156-59-2	8,600	12,000	6,100	3,000	6,600	460 U	3,600	2,300	510	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Cyclohexane	110-82-7	5.5 U T	5.3 U T	5.4 U T	5.5 U T	5.8 U T	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Dichloromethane	75-09-2	5.5 U	5.3 U	5.4 U	5.5 U	30	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Ethylbenzene	100-41-4	5.5 U	17	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Methylcyclohexane	108-87-2	5.5 U	5.3 U	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Tetrachloroethene	127-18-4	5.5 U	5.3 U	5.4 U	5.5 U	5.8 U	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Toluene	108-88-3	1,300	2,000	1,300	860	650 J	460 U	880	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Total Xylenes	1330-20-7	24	81	11 U	11 U	12 U	910 U	930 U	490 U	450 U	4,500 U [4,500 U]	11,000 U	2,500 U	2,600 U
trans-1,2-Dichloroethene	156-60-5	17	15	5.7	11	14	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
Trichloroethene	79-01-6	73,000	71,000	55,000	28,000	110,000	460 U	18,000	9,000	10,000	80,000 [53,000]	130,000	46,000	38,000
Vinyl chloride	75-01-4	150	66	30	210	70	460 U	460 U	250 U	220 U	2,300 U [2,300 U]	5,600 U	1,300 U	1,300 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-37 33.7 11/05/20	D-38 1.9 - 2.1 11/06/20	D-38 27.2 11/06/20	D-38 28.5 11/06/20	D-38 29 11/06/20	D-38 29.5 11/06/20	D-38 30 11/06/20	D-38 30.5 11/06/20	D-38 31 - 31.5 11/06/20	D-38 33.5 11/06/20	D-39 1.9 - 2.4 11/06/20	D-39 22 11/06/20
VOCs (µg/kg)													
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
1,1-Dichloroethane	75-34-3	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
1,1-Dichloroethene	75-35-4	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
1,2-Dichloroethane	107-06-2	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
1,2-Dichloropropane	78-87-5	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U T	4,900 U	NA	28,000 U
2-Butanone (MEK)	78-93-3	6,100 U	NA	230,000 U	250,000 U [30,000 U]	130,000 U	240,000 U	240,000 U	320,000 U	16,000 U J	25,000 U	NA	140,000 U
4-Methyl-2-Pentanone	108-10-1	6,100 U	NA	230,000 U	250,000 U [30,000 U]	130,000 U	240,000 U	240,000 U	320,000 U J	16,000 U J	25,000 U	NA	140,000 U
Acetone	67-64-1	6,100 U	NA	230,000 U	250,000 U [30,000 U]	130,000 U	240,000 U	240,000 U	320,000 U	16,000 UT	25,000 U	NA	140,000 U
Benzene	71-43-2	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 UT	4,900 U	NA	28,000 U
Carbon Disulfide	75-15-0	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
CFC-12	75-71-8	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 UT	4,900 U	NA	28,000 U
cis-1,2-Dichloroethene	156-59-2	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Cyclohexane	110-82-7	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Dichloromethane	75-09-2	1,200 UT	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 UT	4,900 U	NA	28,000 U
Ethylbenzene	100-41-4	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Methylcyclohexane	108-87-2	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Tetrachloroethene	127-18-4	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Toluene	108-88-3	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U	4,900 U	NA	28,000 U
Total Xylenes	1330-20-7	2,400 U	NA	90,000 U	99,000 U [12,000 U]	52,000 U	98,000 U	95,000 U	130,000 U	6,500 U T	9,900 U	NA	56,000 U
trans-1,2-Dichloroethene	156-60-5	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U T	4,900 U	NA	28,000 U
Trichloroethene	79-01-6	37,000	NA	**2,000,000**	**1,300,000 J [220,000 J]**	**1,200,000**	**3,700,000**	**4,100,000**	**1,700,000**	160,000	190,000	NA	**1,900,000**
Vinyl chloride	75-01-4	1,200 U	NA	45,000 U	49,000 U [6,100 U]	26,000 U	49,000 U	47,000 U	64,000 U	3,300 U T	4,900 U	NA	28,000 U
General Chemistry (%)													
Ash (Fixed Solids)	--	NA	95.9	NA	NA	NA	NA	NA	NA	NA	NA	94.4	NA
Percent Moisture	--	NA	17.9	NA	NA	NA	NA	NA	NA	NA	NA	20.9	NA
Total Organic Matter	--	NA	4.1	NA	NA	NA	NA	NA	NA	NA	NA	5.6	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-39 22.3 11/06/20	D-39 22.5 11/06/20	D-39 28.2 11/06/20	D-39 29.6 11/06/20	D-39 31.2 11/06/20	D-40 21.5 11/06/20	D-40 33.3 11/06/20	D-41 23 - 23.8 06/15/21	D-41 25 06/15/21	D-41 31 06/15/21	D-41 31.8 06/15/21	D-42 23.5 06/15/21	D-42 24.5 06/15/21
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
1,1-Dichloroethane	75-34-3	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
1,1-Dichloroethene	75-35-4	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
1,2-Dichloroethane	107-06-2	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
1,2-Dichloropropane	78-87-5	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
2-Butanone (MEK)	78-93-3	100,000 U	5,100 U	300,000 U	2,800,000 U J	6,500 U J	15,000 U J	6,700 U J	4,600 U [4,600 U]	4,500 U	1,300 U	570 U	4,500 U	5,700 U
4-Methyl-2-Pentanone	108-10-1	100,000 U	5,100 U	300,000 U	2,800,000 U J	6,500 U J	15,000 U J	6,700 U J	4,600 U [4,600 U]	4,500 U	1,300 U	570 U	4,500 U	5,700 U
Acetone	67-64-1	100,000 U	5,100 U	300,000 U	2,800,000 U	6,500 U	15,000 U	6,700 U	4,600 U [4,600 U]	4,500 U	1,300 U	570 U	4,500 U	5,700 U
Benzene	71-43-2	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Carbon Disulfide	75-15-0	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
CFC-12	75-71-8	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
cis-1,2-Dichloroethene	156-59-2	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Cyclohexane	110-82-7	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Dichloromethane	75-09-2	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Ethylbenzene	100-41-4	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Methylcyclohexane	108-87-2	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Tetrachloroethene	127-18-4	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Toluene	108-88-3	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Total Xylenes	1330-20-7	42,000 U	2,000 U	120,000 U	1,100,000 U	2,600 U	5,800 U	2,700 U	1,800 U [1,800 U]	1,800 U	500 U	230 U	1,800 U	2,300 U
trans-1,2-Dichloroethene	156-60-5	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
Trichloroethene	79-01-6	**880,000**	83,000	**2,700,000**	**24,000,000**	72,000	140,000	57,000	31,000 [52,000]	40,000	12,000	3,600	35,000	58,000
Vinyl chloride	75-01-4	21,000 U	1,000 U	60,000 U	570,000 U	1,300 U	2,900 U	1,300 U	920 U [920 U]	890 U	250 U	110 U	890 U	1,100 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-42 31.5 06/15/21	D-44 23.5 06/16/21	D-44 25.3 06/16/21	D-44 28 - 28.5 06/17/21	D-44 29 - 29.5 06/17/21	D-44 32.6 - 33 06/17/21	D-45 1 - 29.3 06/18/21	D-45 20.7 - 20.9 06/18/21	D-45 21.5 - 22 06/18/21	D-45 24 - 24.9 06/18/21	D-45 26 06/18/21	D-45 32 - 32.7 06/18/21	D-46 25.2 - 25.7 06/17/21
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
1,1-Dichloroethane	75-34-3	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
1,1-Dichloroethene	75-35-4	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
1,2-Dichloroethane	107-06-2	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
1,2-Dichloropropane	78-87-5	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
2-Butanone (MEK)	78-93-3	6,600 U	2,400 U	250,000 U	23,000 U	26,000 U	1,300 U	16,000 U	56,000 U	22,000 U [14,000 U]	4,800 U	11,000 U	2,300 U	12,000 U
4-Methyl-2-Pentanone	108-10-1	6,600 U	2,400 U	250,000 U	23,000 U	26,000 U	1,300 U	16,000 U	56,000 U	22,000 U [14,000 U]	4,800 U	11,000 U	2,300 U	12,000 U
Acetone	67-64-1	6,600 U	2,400 U	250,000 U	23,000 U	26,000 U	1,300 U	16,000 U	56,000 U	22,000 U [14,000 U]	4,800 U	11,000 U	2,300 U	12,000 U
Benzene	71-43-2	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Carbon Disulfide	75-15-0	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
CFC-12	75-71-8	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
cis-1,2-Dichloroethene	156-59-2	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Cyclohexane	110-82-7	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Dichloromethane	75-09-2	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Ethylbenzene	100-41-4	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Methylcyclohexane	108-87-2	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Tetrachloroethene	127-18-4	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Toluene	108-88-3	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Total Xylenes	1330-20-7	2,700 U	960 U	100,000 U	9,300 U	10,000 U	510 U	6,200 U	22,000 U	9,000 U [5,800 U]	1,900 U	4,300 U	930 U	4,700 U
trans-1,2-Dichloroethene	156-60-5	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
Trichloroethene	79-01-6	54,000	29,000	**5,800,000**	200,000	220,000	8,700	150,000	**600,000**	120,000 [160,000]	29,000	56,000	25,000	75,000
Vinyl chloride	75-01-4	1,300 U	480 U	50,000 U	4,600 U	5,200 U	260 U	3,100 U	11,000 U	4,500 U [2,900 U]	960 U	2,200 U	460 U	2,300 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-46 29 06/17/21	D-46 31.5 - 32 06/17/21	D-47 16 - 20 06/15/21	D-47 20.2 06/15/21	D-47 21.3 06/15/21	D-47 22 06/15/21	D-47 22.4 06/15/21	D-47 23.5 06/15/21	D-47A 24.1 - 24.8 06/16/21	D-47A 26.1 - 26.8 06/16/21	D-47A 31.6 - 32 06/16/21	D-47A 32.5 06/16/21	D-48 10 06/14/21
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
1,1-Dichloroethane	75-34-3	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
1,1-Dichloroethene	75-35-4	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
1,2-Dichloroethane	107-06-2	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
1,2-Dichloropropane	78-87-5	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
2-Butanone (MEK)	78-93-3	12,000 U	12,000 U	NA	11,000 U	4,500 U	6,400,000 U	6,100,000 U	55,000 U	11,000 U	11,000 U	53,000 U	540,000 U	28 U
4-Methyl-2-Pentanone	108-10-1	12,000 U	12,000 U	NA	11,000 U	4,500 U	6,400,000 U	6,100,000 U	55,000 U	11,000 U	11,000 U	53,000 U	540,000 U	28 U
Acetone	67-64-1	12,000 U	12,000 U	NA	11,000 U	4,500 U	6,400,000 U	6,100,000 U	55,000 U	11,000 U	11,000 U	53,000 U	540,000 U	28 U
Benzene	71-43-2	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Carbon Disulfide	75-15-0	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
CFC-12	75-71-8	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
cis-1,2-Dichloroethene	156-59-2	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	73
Cyclohexane	110-82-7	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Dichloromethane	75-09-2	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Ethylbenzene	100-41-4	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Methylcyclohexane	108-87-2	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Tetrachloroethene	127-18-4	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Toluene	108-88-3	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Total Xylenes	1330-20-7	4,800 U	4,900 U	NA	4,400 U	1,800 U	2,500,000 U	2,400,000 U	22,000 U	4,600 U	4,600 U	21,000 U	220,000 U	11 U
trans-1,2-Dichloroethene	156-60-5	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
Trichloroethene	79-01-6	97,000	82,000	NA	100,000	28,000	**200,000,000**	**170,000,000**	310,000	81,000	100,000	**510,000**	**20,000,000**	3,400
Vinyl chloride	75-01-4	2,400 U	2,500 U	NA	2,200 U	910 U	1,300,000 U	1,200,000 U	11,000 U	2,300 U	2,300 U	11,000 U	110,000 U	5.6 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	98.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	11.6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-48 14.19 06/14/21	D-48 19 06/14/21	D-48 21.5 06/14/21	D-48 29.5 06/14/21	D-49 26 - 26.5 06/21/21	D-49 29.3 - 29.7 06/21/21	D-51 20 - 20.7 06/25/21	D-51 31.6 - 32 06/25/21	D-52 24 - 25.5 06/25/21	D-52 28 - 28.4 06/25/21	D-53 28 - 28.3 06/24/21	D-53 31.7 - 32 06/24/21	D-54 22 - 22.3 06/22/21
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
1,1-Dichloroethane	75-34-3	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
1,1-Dichloroethene	75-35-4	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
1,2-Dichloroethane	107-06-2	5.4 U	5.6 U	5.4 U	5.6 U	4,300	8,100	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
1,2-Dichloropropane	78-87-5	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
2-Butanone (MEK)	78-93-3	27 U	28 U	27 U	28 U	12,000 U	15,000 U	580 U	5,600 U [5,400 U]	2,300 U	1,300 U [690 U]	640 U	2,500 U	2,300 U
4-Methyl-2-Pentanone	108-10-1	27 U	28 U	27 U	28 U	12,000 U	15,000 U	580 U	5,600 U [5,400 U]	2,300 U	1,300 U [690 U]	640 U	2,500 U	2,300 U
Acetone	67-64-1	27 U	28 U	27 U	28 U	12,000 U	15,000 U	580 U	5,600 U [5,400 U]	2,300 U	1,300 U [690 U]	640 U	2,500 U	2,300 U
Benzene	71-43-2	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Carbon Disulfide	75-15-0	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
CFC-12	75-71-8	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 UT	270 U [140 U]	130 U	500 U	460 U
cis-1,2-Dichloroethene	156-59-2	11	140	19	78	16,000	5,800	160	1,100 U [1,300]	1,100	720 [860]	130 U	500 U	700
Cyclohexane	110-82-7	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Dichloromethane	75-09-2	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Ethylbenzene	100-41-4	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Methylcyclohexane	108-87-2	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Tetrachloroethene	127-18-4	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Toluene	108-88-3	5.4 U	5.6 U	5.4 U	5.6 U	3,400	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Total Xylenes	1330-20-7	11 U	11 U	11 U	11 U	4,700 U	6,100 U	230 U	2,200 U [2,200 U]	900 U	530 U [280 U]	260 U	990 U	930 U
trans-1,2-Dichloroethene	156-60-5	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
Trichloroethene	79-01-6	1,300	4,600	26,000	42,000	160,000	150,000	560	56,000 [88,000]	21,000	8,800 [12,000]	13,000	46,000	24,000
Vinyl chloride	75-01-4	5.4 U	5.6 U	5.4 U	5.6 U	2,400 U	3,100 U	120 U	1,100 U [1,100 U]	450 U	270 U [140 U]	130 U	500 U	460 U
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-54 33 - 33.6 06/22/21	D-55 28.5 - 28.6 06/14/21	D-55 29 06/14/21	D-55 32.2 06/14/21	D-55 32.5 06/14/21	D-55 33 06/14/21	D-59 21.7 - 22.5 06/16/21	D-59 26.5 06/16/21	D-59 32 - 32.9 06/16/21	D-62 25.4 - 25.8 06/17/21	D-62 27.3 - 27.5 06/17/21	D-62 31.5 06/17/21	D-62 32 - 32.2 06/17/21	D-63 14.3 - 14.7 06/22/21
VOCs (µg/kg)															
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
1,1-Dichloroethane	75-34-3	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
1,1-Dichloroethene	75-35-4	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
1,2-Dichloroethane	107-06-2	250 U	5.8 U	5.8 U	23	14	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
1,2-Dichloropropane	78-87-5	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
2-Butanone (MEK)	78-93-3	1,200 U	29 U	29 U	32 U	30 U	14,000 U	22,000 U	23,000 U	630 U	2,300 U	58,000 U	54,000 U	570 U	29,000 U
4-Methyl-2-Pentanone	108-10-1	1,200 U	29 U	29 U	32 U	30 U	14,000 U	22,000 U	23,000 U	630 U	2,300 U	58,000 U	54,000 U	570 U	29,000 U
Acetone	67-64-1	1,200 U	29 U	29 U	32 U	30 U	14,000 U	22,000 U	23,000 U	630 U	2,300 U	58,000 U	54,000 U	570 U	29,000 U
Benzene	71-43-2	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Carbon Disulfide	75-15-0	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
CFC-12	75-71-8	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U T	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
cis-1,2-Dichloroethene	156-59-2	250 U	5.8 U	5.8 U	150	110	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	12,000
Cyclohexane	110-82-7	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Dichloromethane	75-09-2	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U T	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Ethylbenzene	100-41-4	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Methylcyclohexane	108-87-2	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Tetrachloroethene	127-18-4	250 U	5.8 U	5.8 U	13	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Toluene	108-88-3	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	13,000
Total Xylenes	1330-20-7	490 U	12 U	12 U	13 U	12 U	5,600 U	8,900 U T	9,200 U	250 U	930 U	23,000 U	22,000 U	230 U	11,000 U
trans-1,2-Dichloroethene	156-60-5	250 U	5.8 U	5.8 U	6.3 U	6.0 U	2,800 U	4,400 U	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
Trichloroethene	79-01-6	12,000	56	4,600	72,000	57,000	130,000	120,000	110,000	4,500	22,000	410,000	350,000	3,000	260,000
Vinyl chloride	75-01-4	250 U	5.8 U	5.8 U	6.3 U	8.1	2,800 U	4,400 U T	4,600 U	130 U	460 U	12,000 U	11,000 U	110 U	5,700 U
General Chemistry (%)															
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-63 17.2 - 17.5 06/22/21	D-63 21.2 - 21.5 06/22/21	D-63 24.3 - 24.8 06/22/21	D-63 25.6 - 27.2 06/22/21	D-64 16.5 - 16.8 06/23/21	D-64 32 - 32.5 06/23/21	D-65 13.1 - 13.4 06/23/21	D-65 14.4 - 14.6 06/23/21	D-65 18.8 - 19.2 06/23/21	D-65 29.6 - 30 06/23/21	D-65 32 - 32.5 06/23/21	D-66 12.8 - 13.2 06/23/21	D-71 8 - 8.5 06/24/21	D-71 10.3 - 10.7 06/24/21
VOCs (µg/kg)															
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
1,1-Dichloroethane	75-34-3	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
1,1-Dichloroethene	75-35-4	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
1,2-Dichloroethane	107-06-2	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
1,2-Dichloropropane	78-87-5	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
2-Butanone (MEK)	78-93-3	11,000 U	12,000 U	11,000 U	14,000 U	4,600 U	1,100 U	2,700 U	30,000 U	23,000 U	580 U	670 U	5,700 U	NA	47,000 U
4-Methyl-2-Pentanone	108-10-1	11,000 U	12,000 U	11,000 U	14,000 U	4,600 U	1,100 U	2,700 U	30,000 U	23,000 U	580 U	670 U	5,700 U	NA	47,000 U
Acetone	67-64-1	11,000 U	12,000 U	11,000 U	14,000 U	4,600 U	1,100 U	2,700 U	30,000 U	23,000 U	580 U	670 U	5,700 U	NA	47,000 U
Benzene	71-43-2	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Carbon Disulfide	75-15-0	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
CFC-12	75-71-8	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
cis-1,2-Dichloroethene	156-59-2	2,200 U	2,300 U	2,300 U	2,800 U	1,800	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Cyclohexane	110-82-7	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Dichloromethane	75-09-2	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Ethylbenzene	100-41-4	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Methylcyclohexane	108-87-2	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Tetrachloroethene	127-18-4	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Toluene	108-88-3	2,200 U T	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Total Xylenes	1330-20-7	4,400 U T	4,600 U	4,500 U	5,700 U	1,800 U	450 U	1,100 U	12,000 U	9,200 U	230 U	270 U	2,300 U	NA	19,000 U
trans-1,2-Dichloroethene	156-60-5	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
Trichloroethene	79-01-6	110,000	130,000	160,000	150,000	30,000	9,000	24,000	260,000	180,000	290	6,800	69,000	NA	**550,000**
Vinyl chloride	75-01-4	2,200 U	2,300 U	2,300 U	2,800 U	920 U	230 U	530 U	5,900 U	4,600 U	120 U	130 U	1,100 U	NA	9,400 U
General Chemistry (%)															
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	97.9	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.9	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.1	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-71 10.9 - 11.5 06/24/21	D-71 26.3 - 27 06/24/21	D-71 30.1 - 30.7 06/24/21	D-72 1 06/18/21	D-72 26.5 - 26.8 06/18/21	D-72 28.3 - 28.6 06/18/21	D-72 29.2 - 29.6 06/18/21	D-73 26.5 06/18/21	D-73 29.9 - 30.3 06/18/21	D-73 32 - 32.3 06/18/21	D-74 26 06/21/21	D-74 31.4 - 31.8 06/21/21	D-75 26 - 27 06/21/21
VOCs (µg/kg)														
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	4,900 U T	550,000	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
1,1-Dichloroethane	75-34-3	4,900 UT	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
1,1-Dichloroethene	75-35-4	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
1,2-Dichloroethane	107-06-2	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
1,2-Dichloropropane	78-87-5	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
2-Butanone (MEK)	78-93-3	24,000 U	35,000 U	5,000 U	49,000 U	6,000 U	57,000 U	26,000 U	15,000 U	5,800 U	13,000 U	23,000 U	62,000 U	14,000 U [14,000 U]
4-Methyl-2-Pentanone	108-10-1	24,000 U	35,000 U	5,000 U	49,000 U	6,000 U	57,000 U	26,000 U	15,000 U	5,800 U	13,000 U	23,000 U	62,000 U	14,000 U [14,000 U]
Acetone	67-64-1	24,000 U	35,000 U	5,000 U	49,000 U	6,000 U	57,000 U	26,000 U	15,000 U	5,800 U	13,000 U	23,000 U	62,000 U	14,000 U [14,000 U]
Benzene	71-43-2	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Carbon Disulfide	75-15-0	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
CFC-12	75-71-8	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
cis-1,2-Dichloroethene	156-59-2	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Cyclohexane	110-82-7	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Dichloromethane	75-09-2	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Ethylbenzene	100-41-4	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Methylcyclohexane	108-87-2	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Tetrachloroethene	127-18-4	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Toluene	108-88-3	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Total Xylenes	1330-20-7	9,700 U T	14,000 U	2,000 U	20,000 U	2,400 U	23,000 U	10,000 U	6,000 U	2,300 U	5,300 U	9,300 U	25,000 U	5,800 U [5,600 U]
trans-1,2-Dichloroethene	156-60-5	4,900 U	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
Trichloroethene	79-01-6	300,000	280,000	47,000	320,000	87,000	**610,000**	200,000	140,000	74,000	140,000	150,000	**600,000**	160,000 [150,000]
Vinyl chloride	75-01-4	4,900 U T	7,000 U	1,000 U	9,800 U	1,200 U	11,000 U	5,100 U	3,000 U	1,200 U	2,700 U	4,600 U	12,000 U	2,900 U [2,800 U]
General Chemistry (%)														
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Location ID: Sample Depth (feet): Date Collected:	CAS Number	D-75 31 - 31.8 06/21/21	D-76 20.3 - 20.7 06/22/21	D-76 25.5 - 25.8 06/22/21	D-76 28.6 - 29.2 06/22/21	D-77 31.2 - 31.8 06/24/21	D-78 1.9 - 2.2 06/25/21	D-78 2.8 - 3 06/24/21	D-78 2.8 - 3.1 06/25/21	D-78 27.4 - 27.8 06/24/21	D-78 31.3 - 31.8 06/24/21
VOCs (µg/kg)											
1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	240,000
1,1-Dichloroethane	75-34-3	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
1,1-Dichloroethene	75-35-4	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
1,2-Dichloroethane	107-06-2	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
1,2-Dichloropropane	78-87-5	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
2-Butanone (MEK)	78-93-3	15,000 U	2,300 U	2,300 U	11,000 U	610 U [560 U]	630 U	4,800 U	5,200 U	2,900 U	14,000 U
4-Methyl-2-Pentanone	108-10-1	15,000 U	2,300 U	2,300 U	11,000 U	610 U [560 U]	630 U	4,800 U	5,200 U	2,900 U	14,000 U
Acetone	67-64-1	15,000 U	2,300 U	2,300 U	11,000 U	610 U [560 U]	630 U	4,800 U	5,200 U	2,900 U	14,000 U
Benzene	71-43-2	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Carbon Disulfide	75-15-0	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
CFC-12	75-71-8	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
cis-1,2-Dichloroethene	156-59-2	2,900 U	2,600	1,400	2,200 U	120 U [110 U]	220	960 U	1,000 U	580 U	2,800 U
Cyclohexane	110-82-7	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Dichloromethane	75-09-2	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Ethylbenzene	100-41-4	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Methylcyclohexane	108-87-2	2,900 U	1,000	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Tetrachloroethene	127-18-4	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Toluene	108-88-3	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	650	960 U	1,300	580 U	2,800 U
Total Xylenes	1330-20-7	5,800 U T	1,100	910 U	4,400 U	240 U [220 U]	250 U	1,900 U	2,100 U	1,200 U	5,500 U
trans-1,2-Dichloroethene	156-60-5	2,900 U	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
Trichloroethene	79-01-6	130,000	24,000	28,000	90,000	2,400 [1,700]	760	1,900	1,000 U	12,000	160,000
Vinyl chloride	75-01-4	2,900 U T	450 U	450 U	2,200 U	120 U [110 U]	130 U	960 U	1,000 U	580 U	2,800 U
General Chemistry (%)											
Ash (Fixed Solids)	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Percent Moisture	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Matter	--	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 17.

Table 5
Soil Analytical Results for VOCs in Operable Unit 1 DNAPL Delineation Areas
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Notes:
1. Only constituents that were reported in at least one sample are included.
2. Bold and shaded values exceed the site-specific soil saturation limit of 492,000 µg/kg.

Abbreviations and Symbols:
µg/kg = microgram per kilogram
-- = not calculated/applicable
[ ] = duplicate sample result
CAS = Chemical Abstracts Service
DNAPL = dense non-aqueous phase liquid
NA = not analyzed
VOC = volatile organic compound

Qualifiers:
J = Estimated concentration below the reporting limit but above the method detection limit.
T = The laboratory control sample or laboratory control sample duplicate result was outside of acceptance criteria
U = The compound was analyzed for but not determined to be present at or above the associated reporting limit.

Table 6
Lines of Evidence for the Presence of DNAPL in Operable Unit 1
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Boring ID	PID (>2,000ppm) *Y/ N* [1]	Visible NAPL or Staining *Y/ N* [1]	Strong Odors *Y/ N* [1]	UV *Pos/Neg, Color* [1, 3]	LIF *Pos / Neg* [1]	Shake Test *Pos / Neg* [1]	Maximum TCE *(mg/kg)*	Deepest Sample Containing TCE Above Site-Specific Soil Saturation Limit *(mg/kg)* [2]	Per Flow Chart, DNAPL Present Yes / No [2]	Additional Rationale
D-01	N	N	N	NA	NA	Neg	50		No	
D-02	N	N	N	NA	NA	Neg	230		No	
D-03	N	N	N	NA	NA	Neg	190		No	
D-04	**Y (29.5')**	N	**Y (29.5')**	NA	NA	**Pos (29.5')**	10,000	10,000 **(29.1')**	**Yes**	
D-05	N	N	N	NA	NA	Neg	29		No	
D-06	N	N	N	NA	NA	Neg	15		No	
D-07	N	N	N	NA	NA	Neg	1		No	
D-08	N	N	N	NA	NA	Neg	5		No	
D-09	N	N	N	NA	NA	Neg	12		No	
D-10	N	N	N	NA	NA	Neg	36		No	
D-11	N	N	N	NA	NA	Neg	89		No	
D-12	N	N	N	NA	NA	Neg	9		No	
D-13	N	N	N	NA	NA	Neg	42		No	
D-14	N	N	N	NA	NA	Neg	260	260 J **[37 J] (33')**	No	On the edge of thermal treatment area, so soil at this boring will be treated with ISTR.
D-15	N	N	N	NA	NA	Neg	70		No	
D-16	N	N	N	NA	NA	**Pos (23.5')**	79		No	Per the DNAPL Delineation Flow Chart (Figure 13) and despite a positive shake test, DNAPL was not confirmed with enough confidence to require ISTR.
D-17	N	N	N	NA	NA	Neg	51		No	
D-18	N	N	N	NA	NA	Neg	59		No	
D-19	N	N	N	NA	NA	Neg	30		No	
D-20	N	N	N	NA	NA	Neg	39		No	
D-21	**Y**	N	**Y**	NA	NA	Neg	200		No	
D-22	N	N	N	NA	NA	Neg	160		No	
D-23	N	N	N	NA	NA	Neg	40		No	
D-24	N	N	N	NA	NA	Neg	12		No	
D-25	N	N	N	NA	NA	Neg	61		No	
D-26	N	N	N	NA	NA	Neg	120		No	
D-27	N	N	N	NA	NA	Neg	160		No	
D-28	N	N	N	NA	NA	Neg	120		No	
D-29	N	N	N	NA	NA	Neg	61		No	
D-30	N	N	N	NA	NA	Neg	120		No	
D-31	N	N	N	NA	NA	Neg	23		No	
D-32	N	N	N	NA	NA	Neg	55		No	
D-33	N	N	N	NA	NA	Neg	73		No	
D-34	N	N	N	NA	NA	Neg	110		No	
D-35	N	N	N	NA	NA	**Pos (4.3')**	18		No	Per the DNAPL Delineation Flow Chart (Figure 13) and despite a positive shake test, DNAPL was not confirmed with enough confidence to require ISTR.
D-36	N	N	N	NA	NA	Neg	10		No	
D-37	N	N	**Y (33.7')**	NA	NA	Neg	130		No	

See Notes on Page 3.

Table 6
Lines of Evidence for the Presence of DNAPL in Operable Unit 1
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Boring ID	PID (>2,000ppm) *Y/ N* [1]	Visible NAPL or Staining *Y/ N* [1]	Strong Odors *Y/ N* [1]	UV *Pos/Neg, Color* [1, 3]	LIF *Pos / Neg* [1]	Shake Test *Pos / Neg* [1]	Maximum TCE *(mg/kg)*	Deepest Sample Containing TCE Above Site-Specific Soil Saturation Limit *(mg/kg)* [2]	Per Flow Chart, DNAPL Present Yes / No [2]	Additional Rationale
D-38	**Y (32.25')**	**Y (27.2')**	**Y (33.5')**	NA	NA	**Pos (30.5')**	**4,100**	**1,700 (30.5')**	**Yes**	
D-39	**Y (31.25')**	**Y (29.6')**	**Y (31.5')**	NA	NA	**Pos (28.2')**	**24,000**	**24,000 (29.6')**	**Yes**	
D-40	N	N	N	NA	NA	Neg	140		No	
D-41	N	N	N	**Orange (30.6')**	Neg	Neg	40		No	These borings are on the edge of thermal treatment area, so soil at these borings will be treated with ISTR.
D-42	**Y (24.25')**	N	N	**Orange (25.7')**	Neg	Neg	58		No	
D-44	**Y (32.25')**	**Y (25.5')**	**Y (28')**	**Orange (32.7')**	**Pos (28')**	**Pos (25.3')**	**5,800**	**5,800 (25.3')**	**Yes**	
D-45	**Y (32.25')**	N	N	**White/Yellow (31.1')**	Neg	**Pos (21.4')**	**600**	**600 (20.9')**	**Yes**	
D-46	N	N	N	Neg	Neg	Neg	97		No	
D-47/47A	**Y (32')**	**Y (22.4')**	**Y (32.6')**	**Orange (33.2')**	**Pos (33')**	**Pos (32.5')**	**200,000**	**20,000 (32.5')**	**Yes**	
D-48	N	N	N	**Faint Orange (26.25')**	Neg	Neg	42		No	On the edge of thermal treatment area, so soil at this boring will be treated with ISTR.
D-49	N	N	N	Neg	Neg	Neg	160		No	
D-51	N	N	N	**Orange (32')**	Neg	**Pos (31.8')**	56		No	These borings are on the edge of thermal treatment area, so soil at these borings will be treated with ISTR.
D-52	N	N	N	Blue/White (28.5')	Neg	**Pos (28.2')**	21		No	
D-53	N	N	N	**Light Yellow/Blue/White (28.2')**	Neg	Neg	46		No	
D-54	N	N	N	**Red (34.2)**	**Pos (24')**	Neg	24		No	Per the DNAPL Delineation Flow Chart (Figure 13) and despite a positive LIF and UV test, DNAPL was not confirmed with enough confidence to require ISTR.
D-55	N	N	N	Blue/White (32.3')	Neg	Neg	130		No	
D-59	**Y (21.75')**	N	N	**Faint Orange (21.5')**	Neg	Neg	120		No	On the edge of thermal treatment area, so soil at this boring will be treated with ISTR.
D-62	**Y (31.25')**	N	N	**Yellow (22.6')**	Neg	Neg	**410**	**410 (27.5')**	**Yes**	
D-63	**Y (25')**	**Y (15')**	**Y (28')**	**White (25.4')**	**Pos (28')**	**Pos (14.5')**	**260**	**260 (14.7')**	**Yes**	
D-64	N	N	N	Blue/White (16.3)	Neg	Neg	30		No	
D-65	**Y (14.25')**	N	**Y (15')**	**Dull Orange (32.5')**	Neg	**Pos (14.5')**	**260**	**260 (14.6')**	**Yes**	
D-66	N	N	N	**Dull Orange/Red (16.6')**	Neg	Neg	69		No	On the edge of thermal treatment area, so soil at this boring will be treated with ISTR.
D-70	N	N	N	Neg	Neg	Neg	NA		No	
D-71	**Y (10.75')**	N	**Y (11')**	**Bright White (31.2')**	**Pos (12')**	Neg	**550**	**550 (10.7')**	**Yes**	
D-72	**Y (29')**	N	**Y (29')**	**Faint Orange/Yellow (28.6')**	**Pos (32')**	**Pos (28.5')**	**610**	**610 (28.6')**	**Yes**	
D-73	N	N	N	Neg	Neg	Neg	140		No	
D-74	**Y (31.5')**	N	N	**Orange/Light Blue (31.8')**	**Pos (32')**	**Pos (31.7')**	**600**	**600 (31.8')**	**Yes**	
D-75	**Y (31')**	N	N	**Dull Red (29.9')**	Neg	Neg	160		No	These borings are on the edge of thermal treatment area, so soil at these borings will be treated with ISTR.
D-76	**Y (20.5')**	N	N	**White (25.8')**	Neg	**Pos (20.8')**	90		No	
D-77	N	N	N	**White (16.3')**	Neg	Neg	2		No	
D-78	N	N	N	Blue/White (24')	Neg	**Pos (2.9')**	160		No	

See Notes on Page 3.

Table 6
Lines of Evidence of DNAPL
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Notes:

1. Depth values in parentheses are the maximum depths in feet below ground surface at which the corresponding line of evidence was observed to be positive. The depth listed in the LIF column is the depth of the bottom of the deepest macro core sampling interval with a LIF result indicative of DNAPL.
2. The presence of DNAPL was determined following the flow chart shown on Figure 13, which specifies that soil TCE concentrations "near" the site-specific soil saturation limit are assumed to indicate the presence of DNAPL (See Section 3.2.2 and Figure 13 of this PDI Report). For the purposes of delineating DNAPL, it is assumed that 75% of the site-specific soil saturation limit of 492 mg/kg represents soil TCE concentrations that are "near" the calculated soil saturation limit. Additionally, it is conservatively assumed that DNAPL may be present if the soil TCE concentration is greater than 50% of the site-specific soil saturation limit AND multiple other lines of evidence are positive.
   TCE values in **BOLD RED** indicate TCE concentrations greater than 75% of the site specific soil saturation limit of 492 mg/kg (369 mg/kg).
   TCE values in **BOLD GREEN** indicate TCE concentrations greater than 50% of the site specific soil saturation limit of 492 mg/kg (246 mg/kg).
3. During bench testing of site soil under UV light, soil containing site DNAPL exhibited orange or white fluorescence. Site soil that did not contain visible DNAPL did not exhibit orange fluorescence. As discussed in the CAWP, certain minerals exhibit natural fluorescence. Natural blue and blue-white fluorescence was sporadically observed.
4. Bold indicates a positive line of evidence.

Abbreviations and Symbols:

> = greater than
[ ] =duplicate sample result
feet bgs = depth in feet below ground surface
CAWP = Arcadis U.S., Inc. 2020. Corrective Action Work Plan, Former Philips Display Components Facility, Seneca Falls, New York, USEPA ID No. NYD002246015, NYSDEC Site No. 850003. May.
DNAPL = dense non-aqueous phase liquid
LIF = laser-induced fluorescence
mg/kg = milligram per kilogram
N = no
NA = not applicable
NAPL = non-aqueous phase liquid
Neg = negative
PID = photoionization detector
Pos = positive
ppm = part per million
TCE = trichloroethene
UV = ultraviolet
Y = yes

TCE Concentration Qualifier:

J = Estimated concentration below the reporting limit but above the method detection limit.

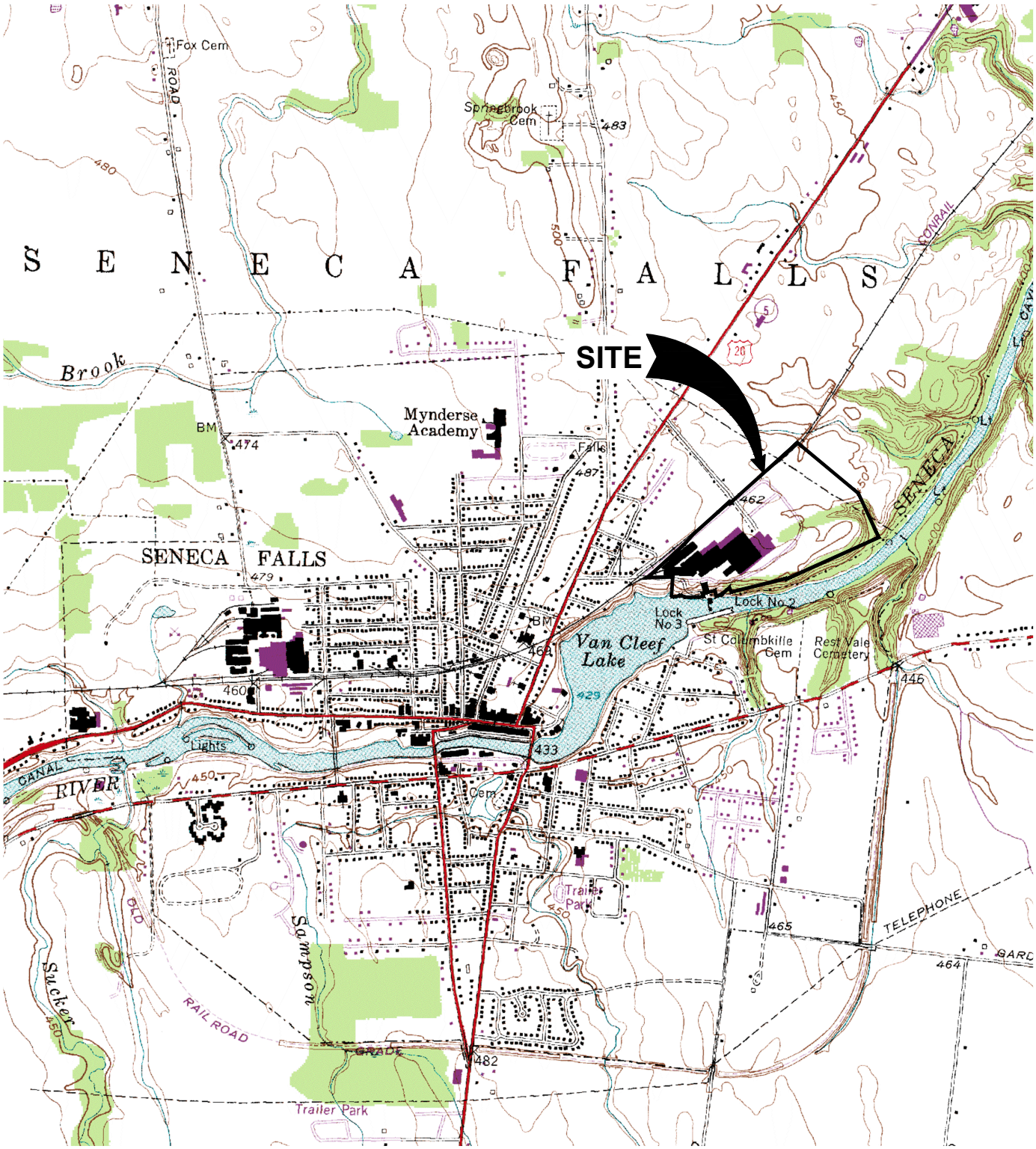
Table 7
DNAPL Observations and Corresponding In-Situ Thermal Treatment Depths
Pre-Design Investigation Report
Former Phillips Display Components Facility
Seneca Falls, New York

Boring ID	Maximum Depth of DNAPL Observation (feet bgs)	Macro-Core® Interval with Deepest DNAPL Observation (feet bgs)	Depth of In-Situ Thermal Treatment (feet bgs)
D-04	29.5	28-32	32
D-38	33.5	32-33.6	33.6
D-39	31.5	28-32	32
D-44	32.7	32-33	33
D-45	32.25	32-33	33
D-47/47A	33.2	32-33.2	33.2
D-62	31.25	28-32	32
D-63	28	24-28	28
D-65	32.5	32-32.8	32.8
D-71	31.2	28-32	32
D-72	32	28-32	32
D-74	32	28-32	32

Note:
1. Only borings with DNAPL determined to be present are included in this table.
2. Maximum depth of DNAPL is taken as the depth of the deepest positive line of evidence as presented in Table 6 for boring locations where DNAPL has been determined to be present.

Abbreviations and Symbols:
bgs = below ground surface
DNAPL = dense non-aqueous phase liquid

FIGURES



REFERENCE: BASE MAP USGS 7.5 MINUTE QUADRANGLE., SENECA FALLS, NY., 1953, PHOTOREVISED 1978

0 1000' 2000'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK

PRE-DESIGN INVESTIGATION REPORT

SITE LOCATION

ARCADIS

FIGURE
1

CITY:SYRACUSE-NY DIV/GROUP:ENVCAD DB: LD: PIC: PM:C.DAVERN TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
C:\Users\gsteinberger\ACCDocs\Arcadis\AUS-GTE OPERATIONS SUPPORT-FMR PHILIPS DISPLAY FAC-SENECA FALLS New York\Project Files\2022\01-In Progress\01-DWG\PDI-FIG01-SITE LOCATION.dwg LAYOUT: 1 SAVED: 11/5/2021 2:09 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: ---
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/8/2022 10:20 AM BY: STEINBERGER, GEORGE
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PDI-X-VICMAP.tif

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APPROXIMATE EXTENT OF AOC 1

APPROXIMATE EXTENT OF AOC 3

SEE FIGURE 3 (H02)

SEE FIGURE 4 (HO3)

SEE FIGURE 5 (HO4 AND HO5)

SEE FIGURE 6 (HO6, HO7, AND HO6/7)

SEE FIGURE 7 (HO6/7)

HO2-DITCH-01
HO2-DITCH-02
HO2-DITCH-03
HO2-DITCH-04
HO2-DITCH-05
HO2-DITCH-06

HO3-DITCH-01
HO3-DITCH-02
HO3-DITCH-03

HO4-DITCH-01
HO4-DITCH-02
HO4-DITCH-03
HO4-DITCH-04
HO4-DITCH-05
HO4-DITCH-06

HO5-DITCH-01
HO5-DITCH-02
HO5-DITCH-03
HO5-DITCH-04
HO5-DITCH-05

HO6-DITCH-01
HO6-DITCH-02
HO6-DITCH-03
HO6-DITCH-04

HO7-DITCH-01
HO7-DITCH-02
HO7-DITCH-03
HO7-DITCH-04

HO67-DITCH-01
HO67-DITCH-02
HO67-DITCH-03
HO67-DITCH-04
HO67-DITCH-05
HO67-DITCH-06
HO67-DITCH-07
HO67-DITCH-08

MW-1, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, MW-26, MW-27, MW-28, MW-29, MW-BR-02, MW-BR-04, MW-BR-05, MW-BR-06, MPE-1

FORMER FACTORY AND OFFICE COMPLEX
GUARD HOUSE
DEBRIS FIELD
WATER TOWER
POLE BARN
UNPAVED ACCESS ROAD – PLANNED TO BE ENHANCED DURING CORRECTIVE ACTIONS
THRUWAY AUTHORITY DIVISION OF CANALS
NEW YORK STATE ELECTRIC AND GAS L. 273 P. 428 REFERENCE #1
VAN CLEEF LAKE
WATERLINE VARIED OVER DURATION OF SURVEY
385.44' FLOOD ELEVATION CONTOUR
SENECA RIVER - NEW YORK STATE BARGE CANAL

0 100' 200'
GRAPHIC SCALE

LEGEND:

- PROPERTY BOUNDARY
- 100-YEAR FLOODPLAIN (385.44 FEET ABOVE SEA LEVEL)
- EDGE OF WATER
- CENTERLINE OF HISTORICAL OUTFALL DITCH (AOC 5)
- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 440 ELEVATION CONTOUR
- AREA OF CONCERN (AOC)
- MONITORING WELL
- CHAIN-LINK FENCE

NOTES:

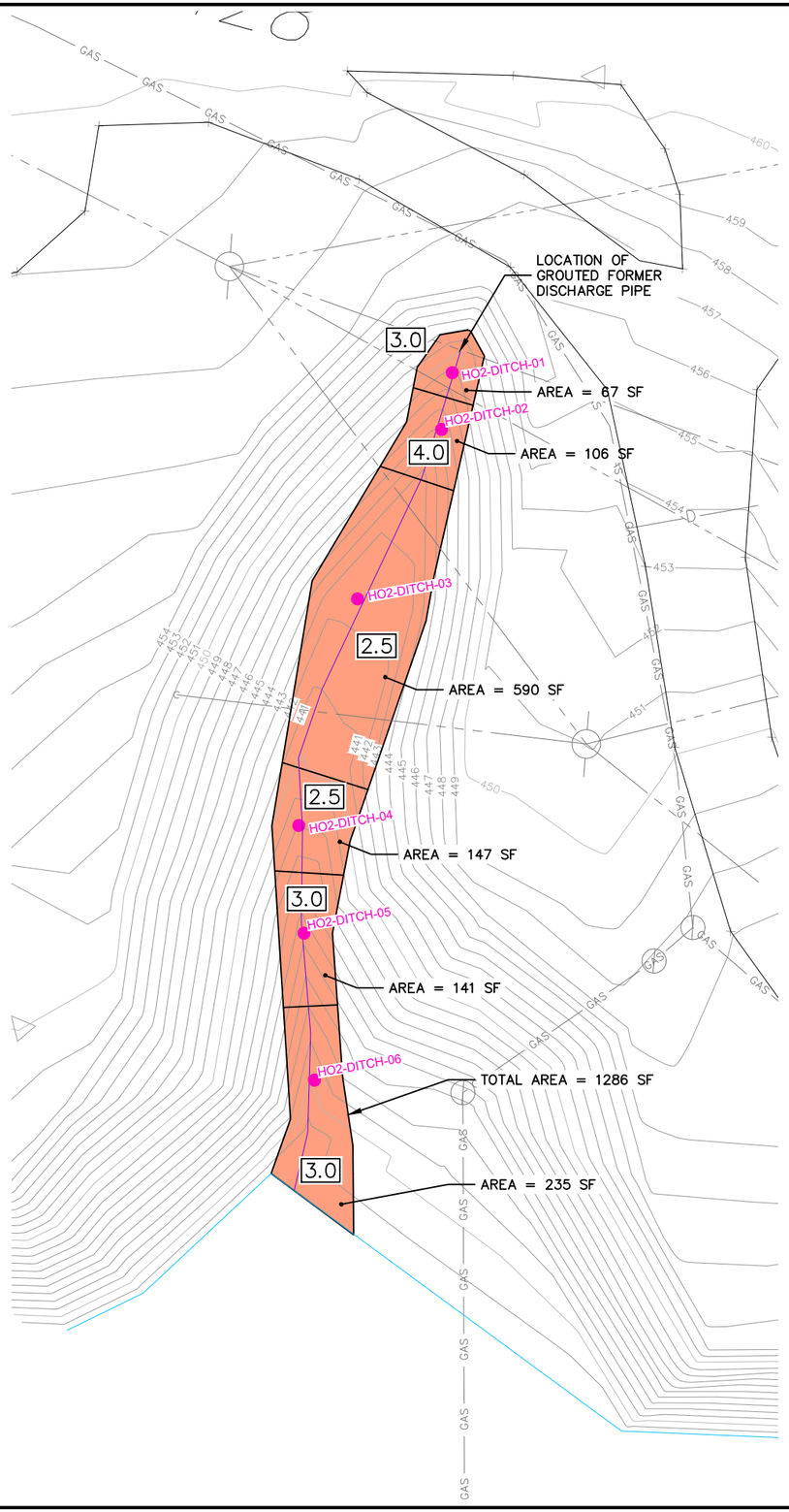
1. ALL LOCATIONS AND EXTENTS APPROXIMATE. FINAL PROPOSED EXTENTS TO BE PROPOSED IN DESIGN DOCUMENTS.
2. NOT ALL FEATURES ARE SHOWN FOR CLARITY.
3. THE HISTORICAL OUTFALL DITCHES COMPRISE AOC 5.

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

AREAS OF CONCERN AND HISTORICAL OUTFALL DITCH SAMPLING LOCATIONS

ARCADIS

FIGURE
2



LEGEND:

- EDGE OF WATER
- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 2.0 — APPROXIMATE PROPOSED EXCAVATION EXTENT AND DEPTH IN FEET BELOW GROUND SURFACE A AT CENTERLINE OF DITCH
- OVERHEAD UTILITIES
- UTILITY POLE
- GAS RISER
- GV — GAS VALVE
- D — STORM DRAIN
- GAS — GAS LINE
- 440 — ELEVATION CONTOUR
- G — GUY WIRE
- CENTERLINE OF HISTORICAL OUTFALL DITCH

NOTES:

1. ALL EXTENTS ARE APPROXIMATE. FINAL PROPOSED EXTENTS TO BE DETERMINED IN DESIGN DOCUMENTS BASED ON A DETAILED ASSESSMENT OF TOPOGRAPHY AND ANALYTICAL DATA.
2. THE LATERAL LIMITS OF EXCAVATION ARE DETERMINED BASED ON THE EXTENT OF THE EXISTING HISTORICAL OUTFALL DITCH IN ACCORDANCE WITH THE JULY 2019 CORRECTIVE ACTION WORK PLAN APPROVED BY THE NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH ON APRIL 13, 2020 (I.E., ALONG THE LENGTH OF THE DITCH AND UP THE SIDEWALL A MAXIMUM OF TWO FEET ABOVE THE CENTERLINE OF THE DITCH). THE ENTIRE HISTORICAL OUTFALL DITCH IS STILL PRESENT DOWNSLOPE OF HISTORICAL OUTFALL 2.

SF = SQUARE FOOT

0 10' 20'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALL 2 SAMPLING LOCATIONS AND PRELIMINARY PROPOSED EXCAVATION EXTENT

ARCADIS

FIGURE
3

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LEGEND:

- PROPERTY BOUNDARY
- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 2.0 — APPROXIMATE PROPOSED LATERAL EXTENT OF CAPPING AND DEPTH IN FEET OF DEEPEST SOIL INTERVAL WITH A CONCENTRATION GREATER THAN THE APPLICABLE SOIL CLEANUP OBJECTIVE AT PDI SAMPLE LOCATION
- OVERHEAD UTILITIES
- D — STORM DRAIN
- 440 — ELEVATION CONTOUR
- CENTERLINE OF HISTORICAL OUTFALL DITCH

NOTES:

1. ALL EXTENTS ARE APPROXIMATE. FINAL PROPOSED EXTENTS TO BE DETERMINED IN DESIGN DOCUMENTS BASED ON A DETAILED ASSESSMENT OF TOPOGRAPHY AND ANALYTICAL DATA.
2. THE LATERAL LIMITS OF CAPPING ARE DETERMINED BASED ON THE EXTENT OF THE EXISTING HISTORICAL OUTFALL DITCH IN ACCORDANCE WITH THE JULY 2019 CORRECTIVE ACTION WORK PLAN APPROVED BY THE NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH ON APRIL 13, 2020 (I.E., ALONG THE LENGTH OF THE DITCH AND UP THE SIDEWALL A MAXIMUM OF TWO FEET ABOVE THE CENTERLINE OF THE DITCH). THE LOCATION OF THE GROUTED HISTORICAL OUTFALL 3 DISCHARGE PIPE IS BELOW THE CURRENT GRADE. THE LIMITS OF CAPPING ARE BASED ON THE EXTENT OF THE REMAINING PORTION OF THE HISTORICAL OUTFALL DITCH.

SF = SQUARE FOOT

0 10' 20'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALL 3 SAMPLING LOCATIONS AND PRELIMINARY PROPOSED CAPPING EXTENT

ARCADIS

FIGURE
4

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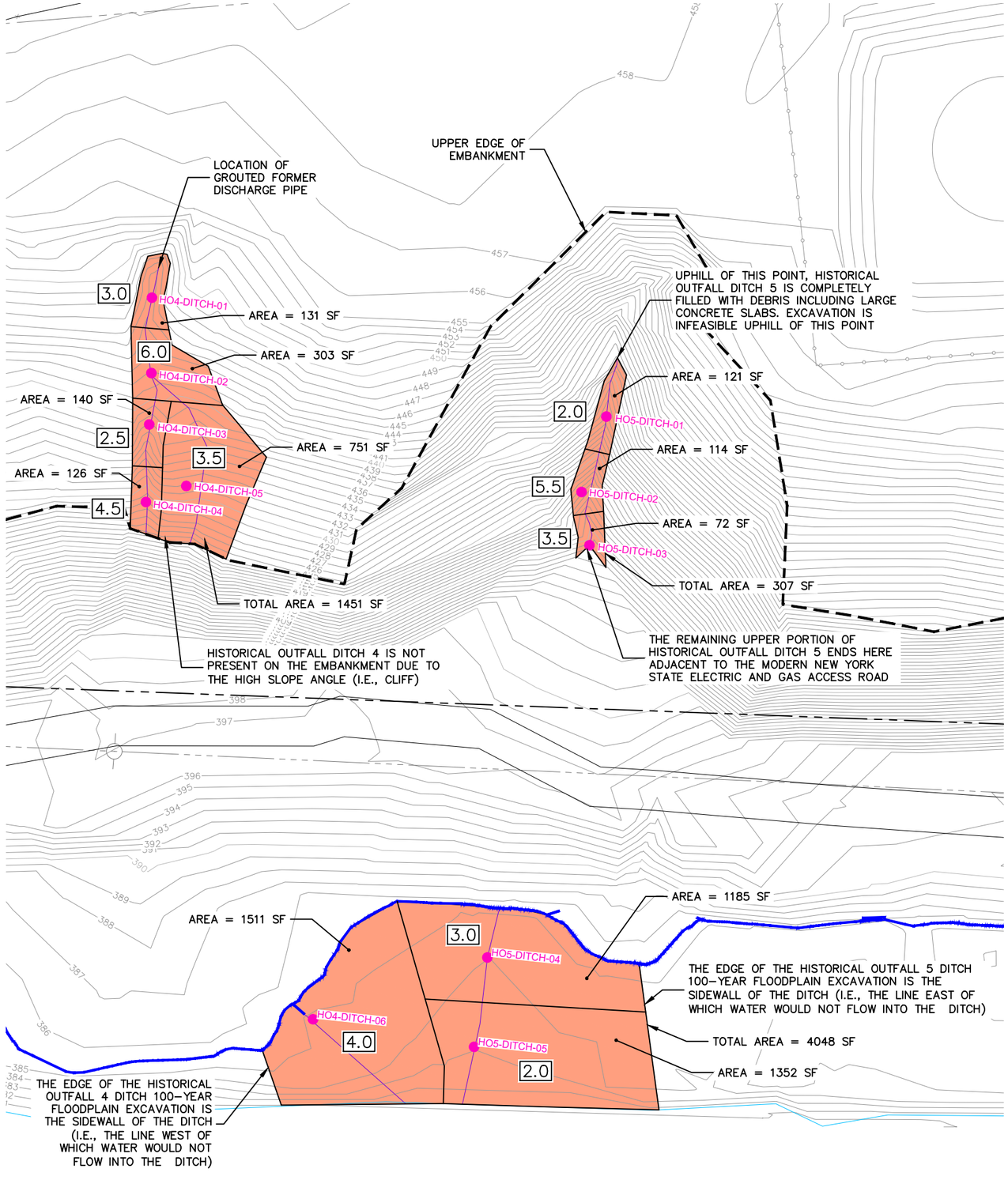

LEGEND:

- PROPERTY BOUNDARY
- 100-YEAR FLOODPLAIN (385.44 FEET ABOVE SEA LEVEL)
- EDGE OF WATER
- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 2.0 — APPROXIMATE PROPOSED EXCAVATION EXTENT AND DEPTH IN FEET BELOW GROUND SURFACE A AT CENTERLINE OF DITCH
- OVERHEAD UTILITIES
- UTILITY POLE
- 440 — ELEVATION CONTOUR
- CENTERLINE OF HISTORICAL OUTFALL DITCH

NOTES:

1. ALL EXTENTS ARE APPROXIMATE. FINAL PROPOSED EXTENTS TO BE DETERMINED IN DESIGN DOCUMENTS BASED ON A DETAILED ASSESSMENT OF TOPOGRAPHY AND ANALYTICAL DATA.
2. THE LATERAL LIMITS OF EXCAVATION ARE DETERMINED BASED ON THE EXTENT OF THE EXISTING HISTORICAL OUTFALL DITCHES IN ACCORDANCE WITH THE JULY 2019 CORRECTIVE ACTION WORK PLAN APPROVED BY THE NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH ON APRIL 13, 2020 (I.E., ALONG THE LENGTH OF THE DITCH AND UP THE SIDEWALL A MAXIMUM OF TWO FEET ABOVE THE CENTERLINE OF THE DITCH).
3. TWO PORTIONS OF EACH OF FORMER HISTORICAL OUTFALL DITCHES 4 AND 5 EXIST. THE DITCH ASSOCIATED WITH HISTORICAL OUTFALL 4 IS PRESENT FROM THE GROUTED FORMER OUTFALL PIPE TO THE EDGE OF THE EMBANKMENT AND DOWNGRADIENT OF THE 100-YEAR FLOODPLAIN. THE GROUTED HISTORICAL OUTFALL 5 DISCHARGE PIPE IS BELOW CONCRETE AND BUILDING DEMOLITION DEBRIS. THE DITCH ASSOCIATED WITH HISTORICAL OUTFALL 5 IS PRESENT DOWNGRADIENT OF THAT DEBRIS UP TO THE MODERN NEW YORK STATE ELECTRIC AND GAS ACCESS ROAD AND DOWNGRADIENT OF THE 100-YEAR FLOODPLAIN.

SF = SQUARE FOOT

0 15' 30'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALLS 4 AND 5 SAMPLING LOCATIONS AND PRELIMINARY PROPOSED EXCAVATION EXTENT

ARCADIS

FIGURE
5

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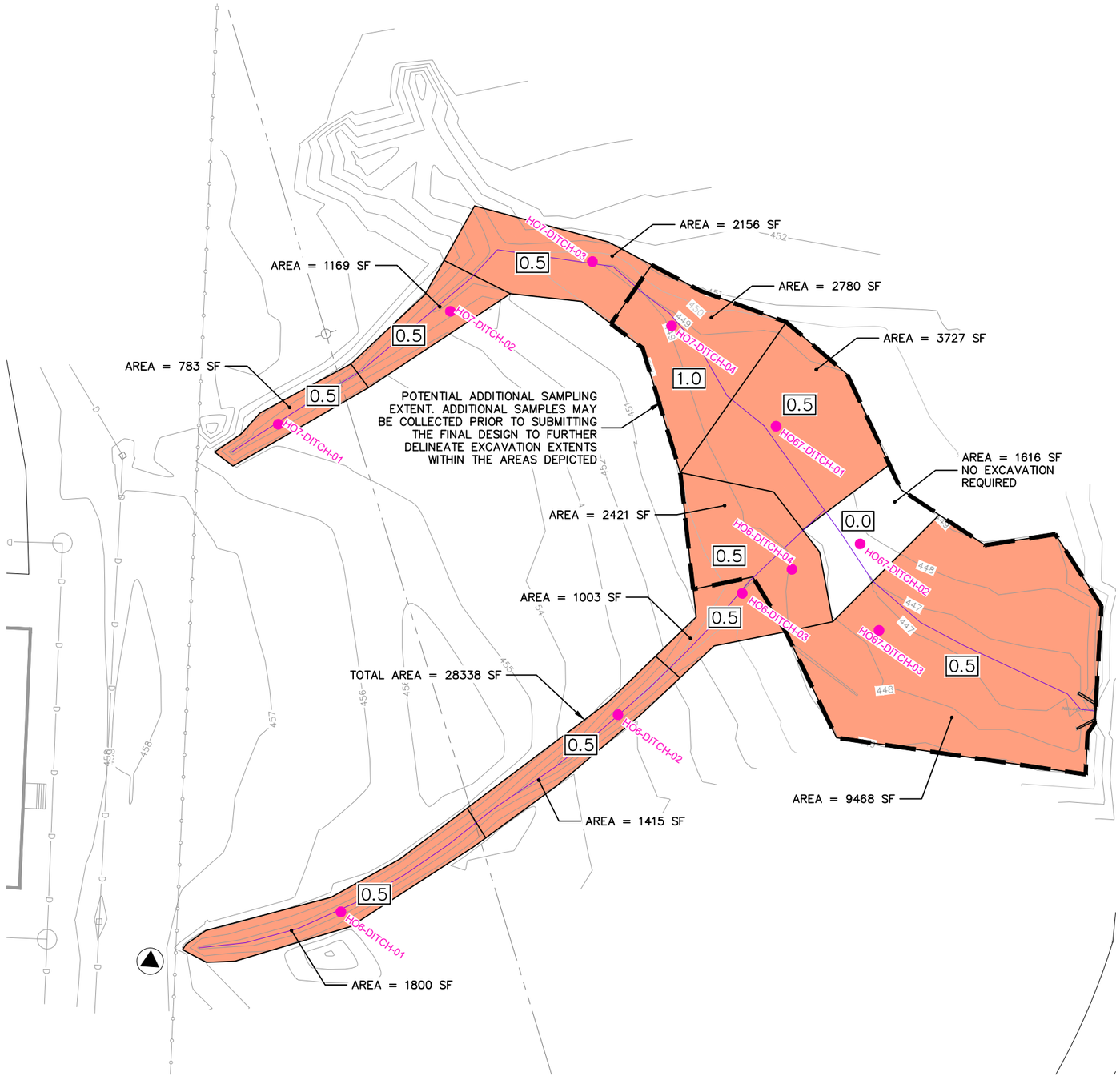

LEGEND:

- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 2.0 — APPROXIMATE PROPOSED EXCAVATION EXTENT AND DEPTH IN FEET BELOW GROUND SURFACE A AT CENTERLINE OF DITCH
- OVERHEAD UTILITIES
- MONITORING WELL
- UTILITY POLE
- CB — CATCH BASIN
- MANHOLE
- CHAIN–LINK FENCE
- D — STORM DRAIN
- CULVERT
- 440 — ELEVATION CONTOUR
- CENTERLINE OF HISTORICAL OUTFALL DITCH

NOTES:

1. ALL EXTENTS ARE APPROXIMATE. FINAL PROPOSED EXTENTS TO BE DETERMINED IN DESIGN DOCUMENTS BASED ON A DETAILED ASSESSMENT OF TOPOGRAPHY AND ANALYTICAL DATA.
2. THE MAXIMUM LATERAL LIMITS OF EXCAVATION (IF INDICATED) ARE DETERMINED BASED ON THE EXTENT OF THE EXISTING HISTORICAL OUTFALL DITCHES IN ACCORDANCE WITH THE JULY 2019 CORRECTIVE ACTION WORK PLAN APPROVED BY THE NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH ON APRIL 13, 2020 (I.E., ALONG THE LENGTH OF THE DITCH AND UP THE SIDEWALL A MAXIMUM OF TWO FEET ABOVE THE CENTERLINE OF THE DITCH). THE ENTIRETY OF HISTORICAL OUTFALL DITCHES 6, 7 AND THE COMBINED 67 DITCH ARE STILL PRESENT.

SF = SQUARE FOOT

0 25' 50'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALLS 6 AND 7 SAMPLING LOCATIONS AND PRELIMINARY PROPOSED EXCAVATION EXTENT

ARCADIS

FIGURE 6

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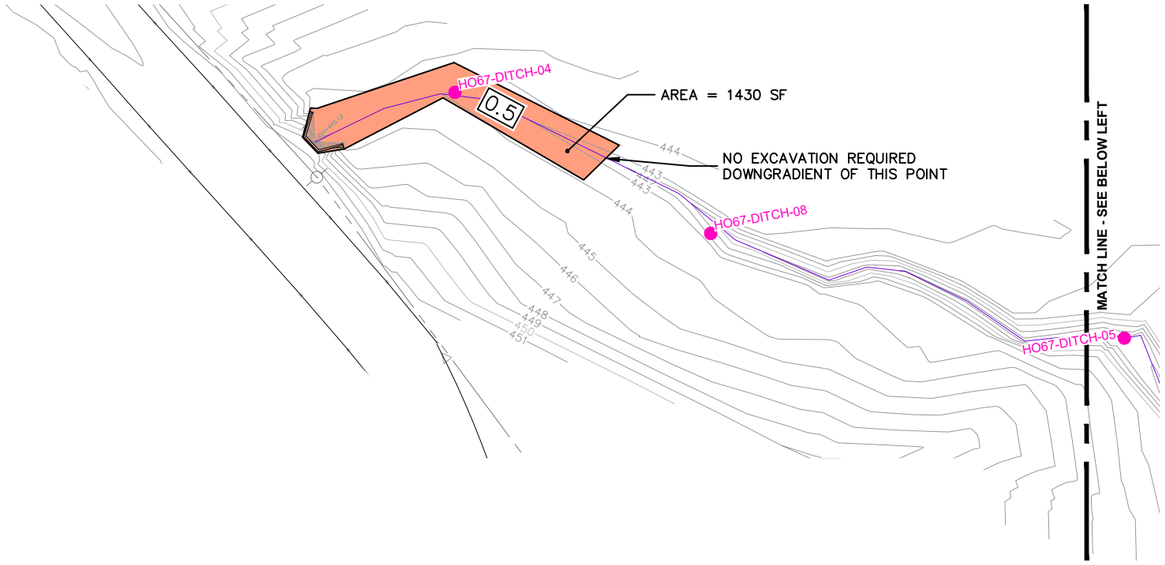

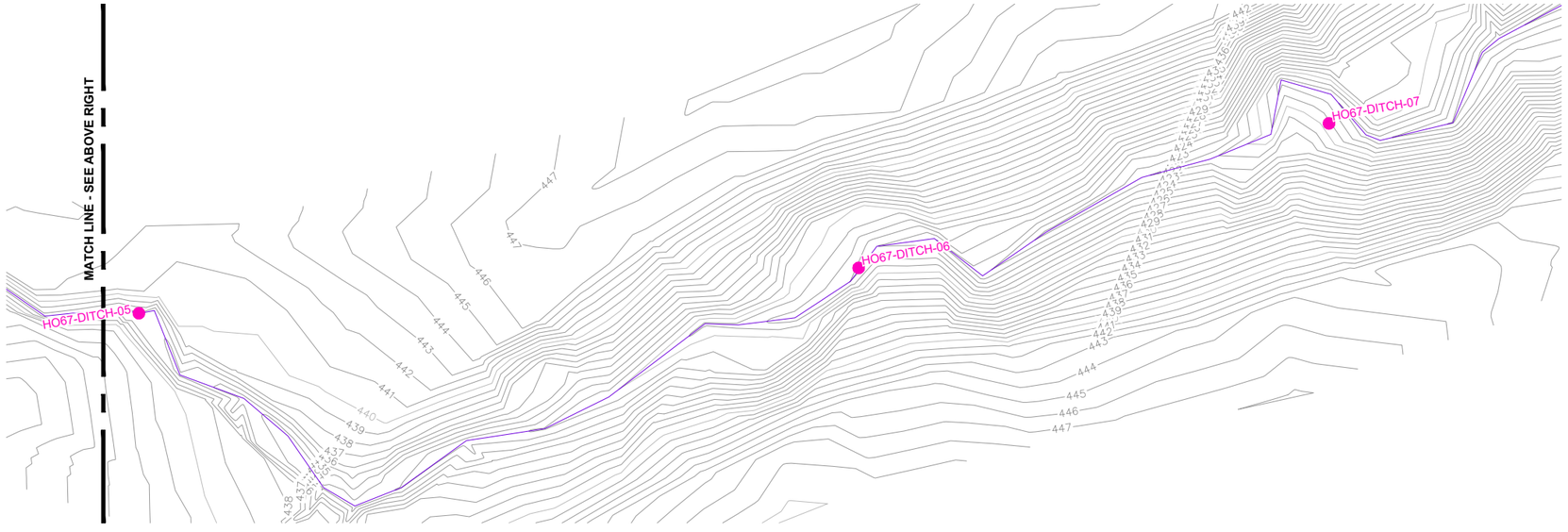

LEGEND:

- HISTORICAL OUTFALL DITCH SAMPLE LOCATION
- 2.0 — APPROXIMATE PROPOSED EXCAVATION EXTENT AND DEPTH IN FEET BELOW GROUND SURFACE A AT CENTERLINE OF DITCH
- OVERHEAD UTILITIES
- UTILITY POLE
- CULVERT
- 440 — ELEVATION CONTOUR
- CENTERLINE OF HISTORICAL OUTFALL DITCH

NOTES:

1. ALL EXTENTS ARE APPROXIMATE. FINAL PROPOSED EXTENTS TO BE DETERMINED IN DESIGN DOCUMENTS BASED ON A DETAILED ASSESSMENT OF TOPOGRAPHY AND ANALYTICAL DATA.
2. THE MAXIMUM LATERAL LIMITS OF EXCAVATION ARE DETERMINED BASED ON THE EXTENT OF THE EXISTING HISTORICAL OUTFALL DITCHES IN ACCORDANCE WITH THE JULY 2019 CORRECTIVE ACTION WORK PLAN APPROVED BY THE NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH ON APRIL 13, 2020 (I.E., ALONG THE LENGTH OF THE DITCH AND UP THE SIDEWALL A MAXIMUM OF TWO FEET ABOVE THE CENTERLINE OF THE DITCH). THE ENTIRETY OF THE COMBINED HISTORICAL OUTFALL 67 DITCH IS STILL PRESENT.

SF = SQUARE FOOT

0 25' 50'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALL 6/7 SAMPLING LOCATIONS AND PRELIMINARY PROPOSED EXCAVATION EXTENT

ARCADIS

FIGURE
7

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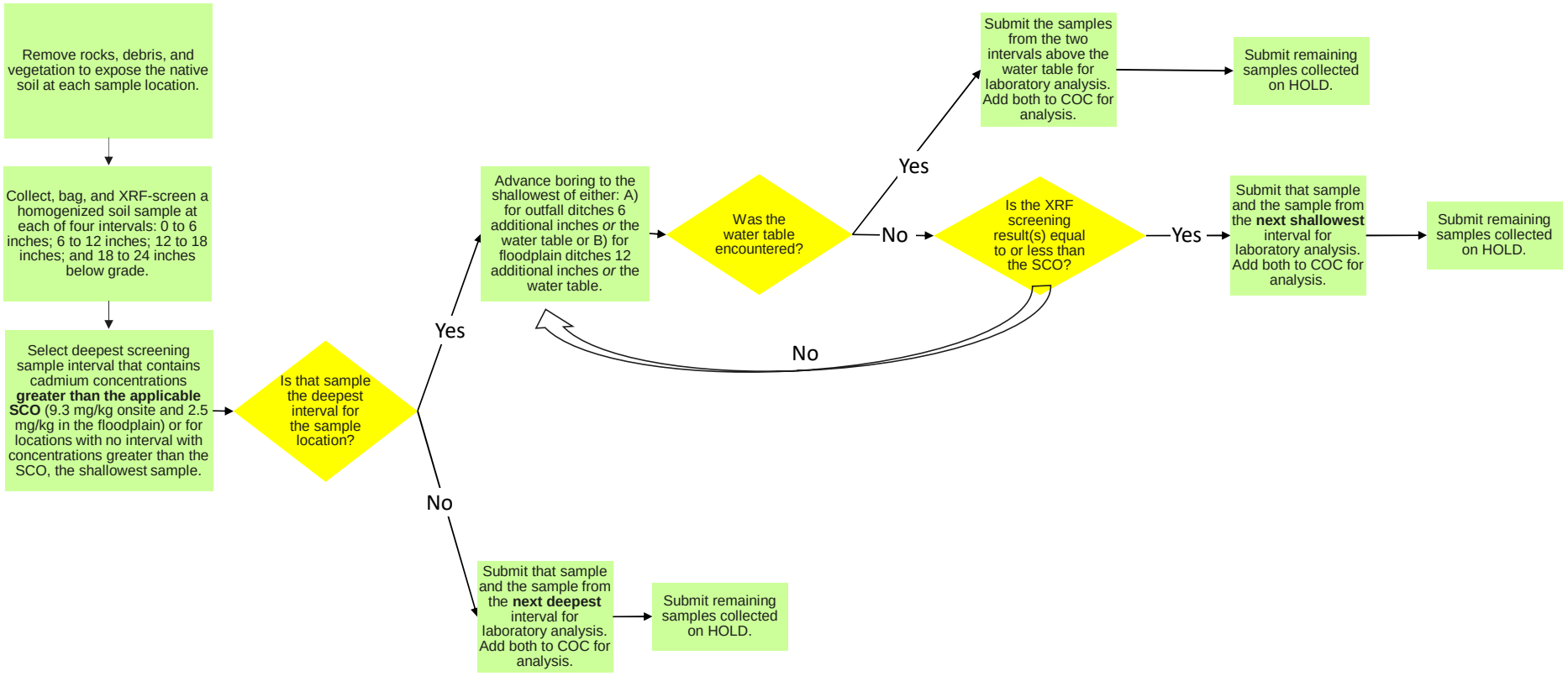

Notes:
1. Upon completion of each boring, holes will be filled to slightly below grade with hydrated bentonite and finished to match surrounding grade with topsoil and grass seed.

COC = chain-of-custody
mg/kg = milligrams per kilogram
SCO = soil cleanup objective
XRF = x-ray fluorescence

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL OUTFALL DITCH SAMPLE COLLECTION PROCEDURE

ARCADIS

FIGURE
8

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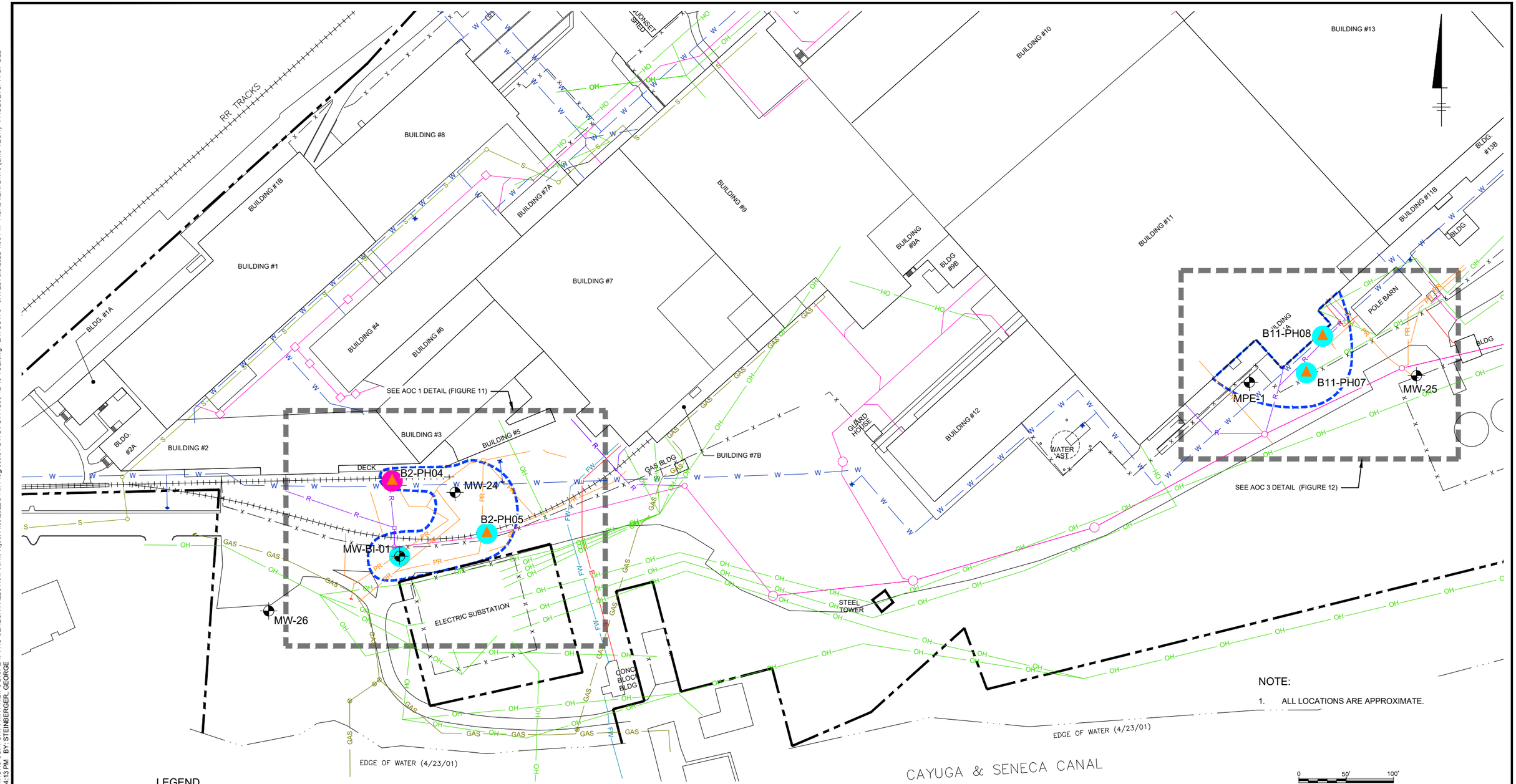

NOTE:

1. ALL LOCATIONS ARE APPROXIMATE.

0 50' 100'
GRAPHIC SCALE

LEGEND

- WATER LINE
- ELECTRIC LINE
- ELECTRIC LINE (OVERHEAD)
- GAS LINE
- STORM SEWER PIPE
- STORM WATER (ROOF DRAINS)
- PROCESS WASTE LINES
- SANITARY SEWER
- FORMER WATER LINE
- FIRE HYDRANT
- MANHOLE / CATCH BASIN
- RAILROAD TRACK
- PROPERTY BOUNDARY
- FENCE
- MONITORING WELL
- LOCATION WITH HISTORICALLY OBSERVED DENSE NON-AQUEOUS PHASE LIQUID (DNAPL)
- LOCATION WITH A HISTORICAL UNSATURATED SOIL TRICHLOROETHENE (TCE) CONCENTRATION GREATER THAN THE COMMERCIAL SOIL CLEANUP OBJECTIVE (200 MILLIGRAMS PER KILOGRAM)
- APPROXIMATE AREA WITH CONCENTRATIONS EXCEEDING 12,800 MICROGRAMS PER LITER (1% OF THE TCE SOLUBILITY LIMIT)

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

HISTORICAL DATA USED TO DETERMINE THE INITIAL EXTENT OF PRE-DESIGN INVESTIGATIONS IN AOCs 1 AND 3

ARCADIS

FIGURE
9

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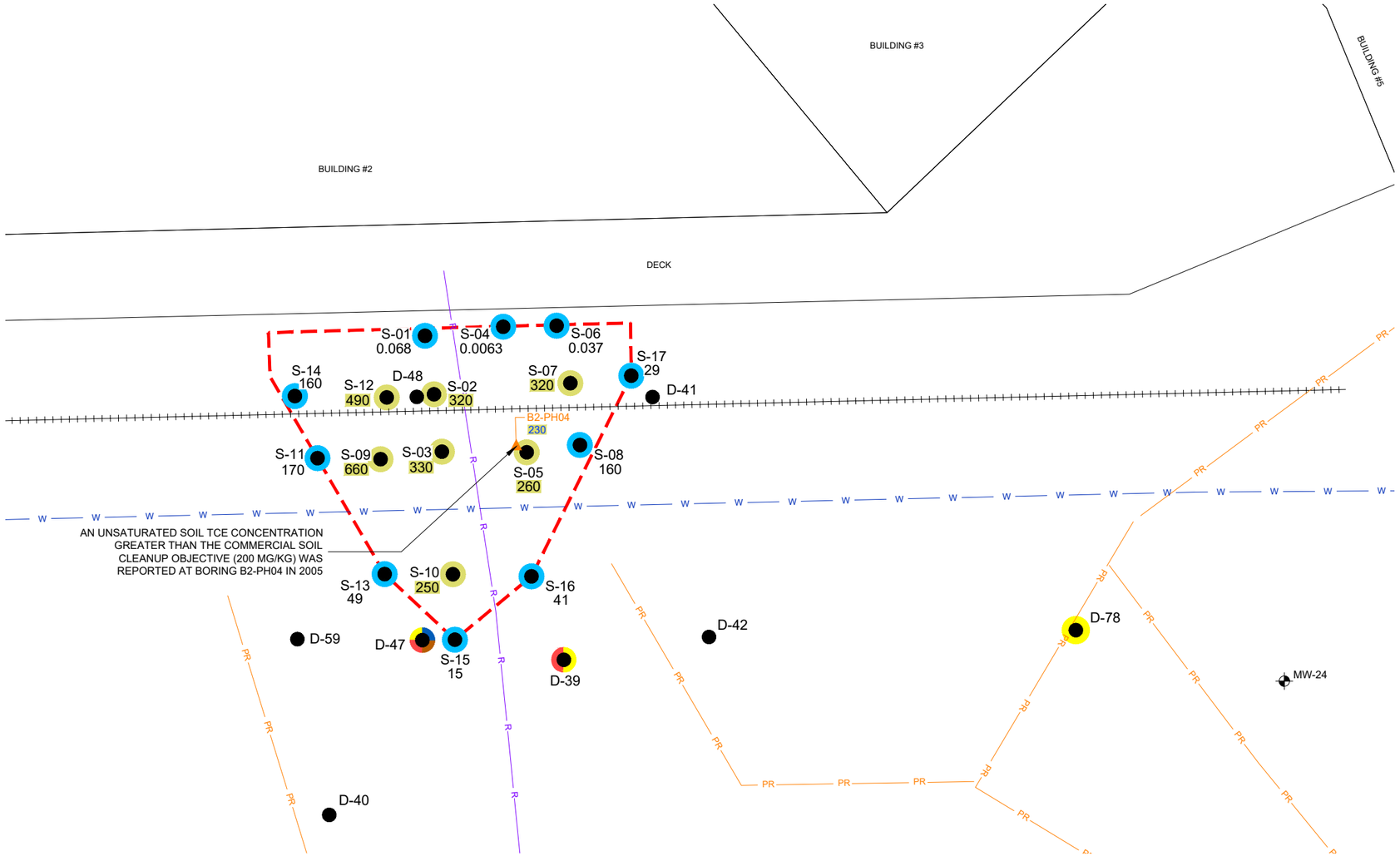
PDI-X-COMBINED UTILS
PDI-X-TITLE



LEGEND

- WATER LINE
- STORMWATER (ROOF DRAINS)
- PROCESS WASTE LINE
- MONITORING WELL
- HISTORICAL BORING LOCATION
- 230 — HISTORICAL UNSATURATED TCE CONCENTRATION (mg/kg)
- APPROXIMATE LIMITS OF PROPOSED SHALLOW EXCAVATION TO SHALLOWER OF 6 FEET OR THE WATER TABLE
- RAILROAD TRACK

S-BORINGS

- S-01 0.068 — BORING LOCATION; MAXIMUM TCE CONCENTRATIONS FOR EACH BORING (MILLIGRAM PER KILOGRAM [mg/kg])
- TCE LESS THAN COMMERCIAL SCO
- TCE GREATER THAN COMMERCIAL SCO
- 330 — MAXIMUM TCE CONCENTRATIONS IN SHALLOW UNSATURATED SOIL EXCEEDING THE COMMERCIAL SCO (200 mg/kg)

D-BORINGS

- D-42 — BORING LOCATION
- SHAKE TEST POSITIVE
- PID > 15,000 ppm
- DNAPL VISUALLY OBSERVED
- LIF OR UV POSITIVE (EXCLUDES NATURAL FLUORESCENCE)

NOTES:

1. ALL HISTORICAL LOCATIONS AND UTILITY EXTENTS ARE APPROXIMATE.
2. S-SERIES BORINGS WERE ADVANCED SEPTEMBER TO OCTOBER 2020.
3. TCE CONCENTRATIONS DISPLAYED FOR D-SERIES BORINGS ARE THE MAXIMUM RESULT FROM ALL SAMPLES COLLECTED FROM EACH BORING.
4. THE DEPTH OF SHALLOW EXCAVATION IS ANTICIPATED TO BE THE SHALLOWER OF THE DEPTH OF SOIL CLEANUP OBJECTIVE ATTAINMENT, OR THE DEPTH TO THE WATER TABLE (APPROXIMATELY 4-6 FEET BELOW GRADE).
5. SEE FIGURE 11 FOR FULL AOC 1 DNAPL DELINEATION RESULTS.

mg/kg =	MILLIGRAMS PER KILOGRAM
µg/L =	MICROGRAM PER LITER
DNAPL =	DENSE NON-AQUEOUS PHASE LIQUID
LIF =	LASER-INDUCED FLUORESCENCE
PID =	PHOTOIONIZATION DETECTOR
ppm =	PART PER MILLION
TCE =	TRICHLOROETHENE
UV =	ULTRAVIOLET

0 5' 10'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

OPERABLE UNIT 1 SHALLOW SOIL AND DNAPL DELINEATION BORING RESULTS

ARCADIS

FIGURE 10

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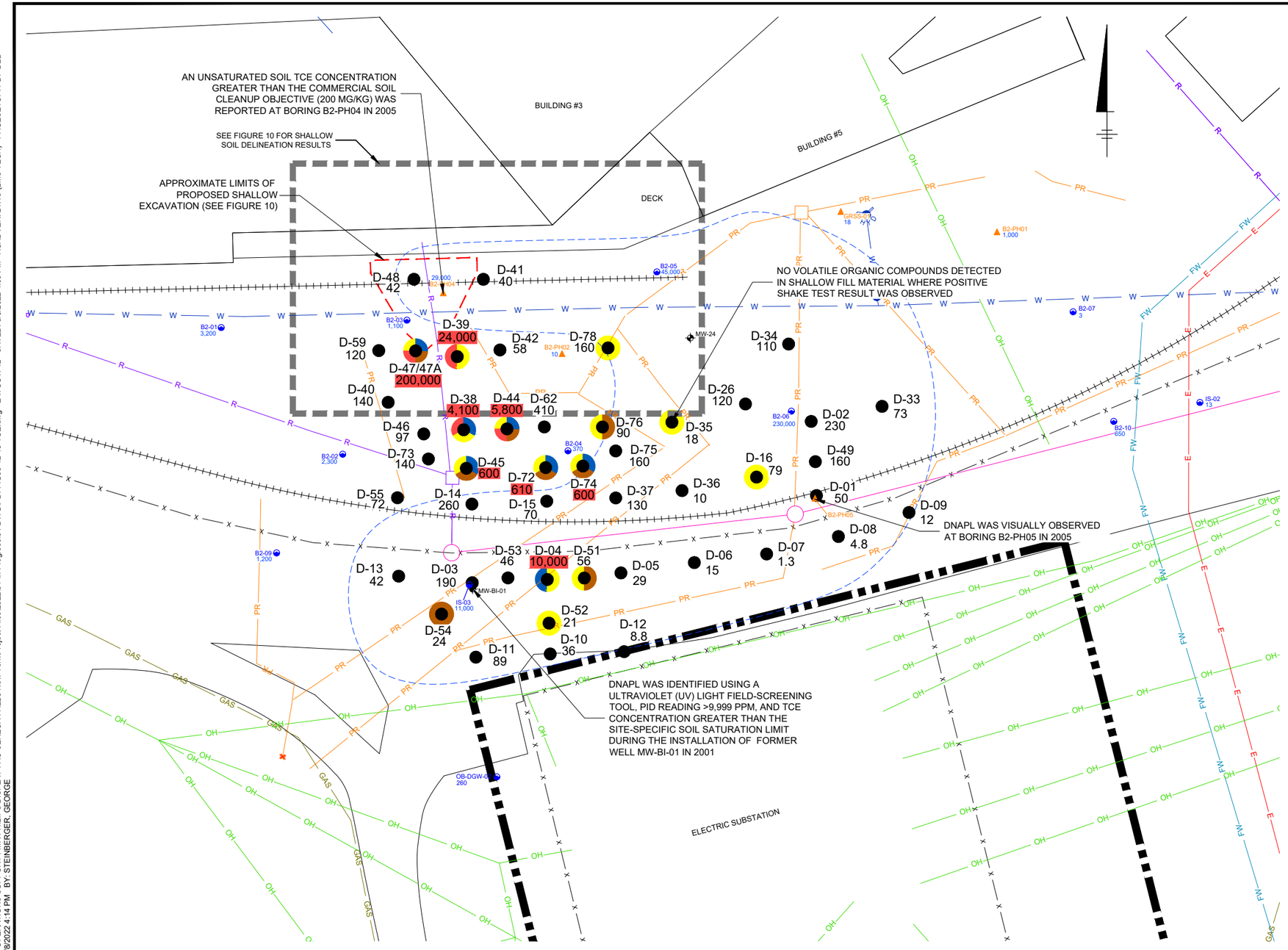

LEGEND

- WATER LINE
- ELECTRIC LINE
- ELECTRIC LINE (OVERHEAD)
- GAS LINE
- STORM SEWER PIPE
- STORMWATER (ROOF DRAINS)
- PROCESS WASTE LINES
- FORMER WATER LINE
- FIRE HYDRANT
- MANHOLE / CATCH BASIN
- RAILROAD TRACK
- PROPERTY BOUNDARY
- FENCE
- MONITORING WELL
- HISTORICAL TEMPORARY MONITORING WELL
- HISTORICAL BORING LOCATION
- APPROXIMATE AREA WITH GROUNDWATER CONCENTRATIONS EXCEEDING 12,800 µg/L (1% OF THE TCE SOLUBILITY LIMIT)
- 870 — GROUNDWATER TCE CONCENTRATION IN µg/L FROM SAMPLES COLLECTED IN 2000 OR 2005
- D-20 39 — BORING LOCATION; MAXIMUM TCE CONCENTRATION FOR EACH BORING (mg/kg)
- SHAKE TEST POSITIVE
- PID > 15,000 ppm
- DNAPL VISUALLY OBSERVED
- 10,000 — THE MAXIMUM TCE CONCENTRATION EXCEEDS THE SITE-SPECIFIC SOIL SATURATION LIMIT OF 492 mg/kg FOR TCE
- LIF OR UV POSITIVE (EXCLUDES NATURAL FLUORESCENCE)

NOTES:

1. ALL HISTORICAL LOCATIONS AND UTILITY EXTENTS ARE APPROXIMATE.
2. D-SERIES BORINGS WERE ADVANCED SEPTEMBER TO NOVEMBER 2020 AND IN JUNE 2021.
3. TCE CONCENTRATIONS DISPLAYED FOR D-SERIES BORINGS ARE THE MAXIMUM RESULT FROM ALL SAMPLES COLLECTED FROM EACH BORING.
4. BORINGS WERE SCREENED FOR EVIDENCE OF DNAPL FOLLOWING THE FLOW CHART SHOWN ON FIGURE 13.

mg/kg =	MILLIGRAMS PER KILOGRAM
µg/L =	MICROGRAM PER LITER
DNAPL =	DENSE NON-AQUEOUS PHASE LIQUID
LIF =	LASER-INDUCED FLUORESCENCE
PID =	PHOTOIONIZATION DETECTOR
ppm =	PART PER MILLION
TCE =	TRICHLOROETHENE
UV =	ULTRAVIOLET
> =	GREATER THAN

0 15' 30'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

TCE CONCENTRATIONS AND DNAPL LINES OF EVIDENCE IN AOC 1

ARCADIS

FIGURE 11

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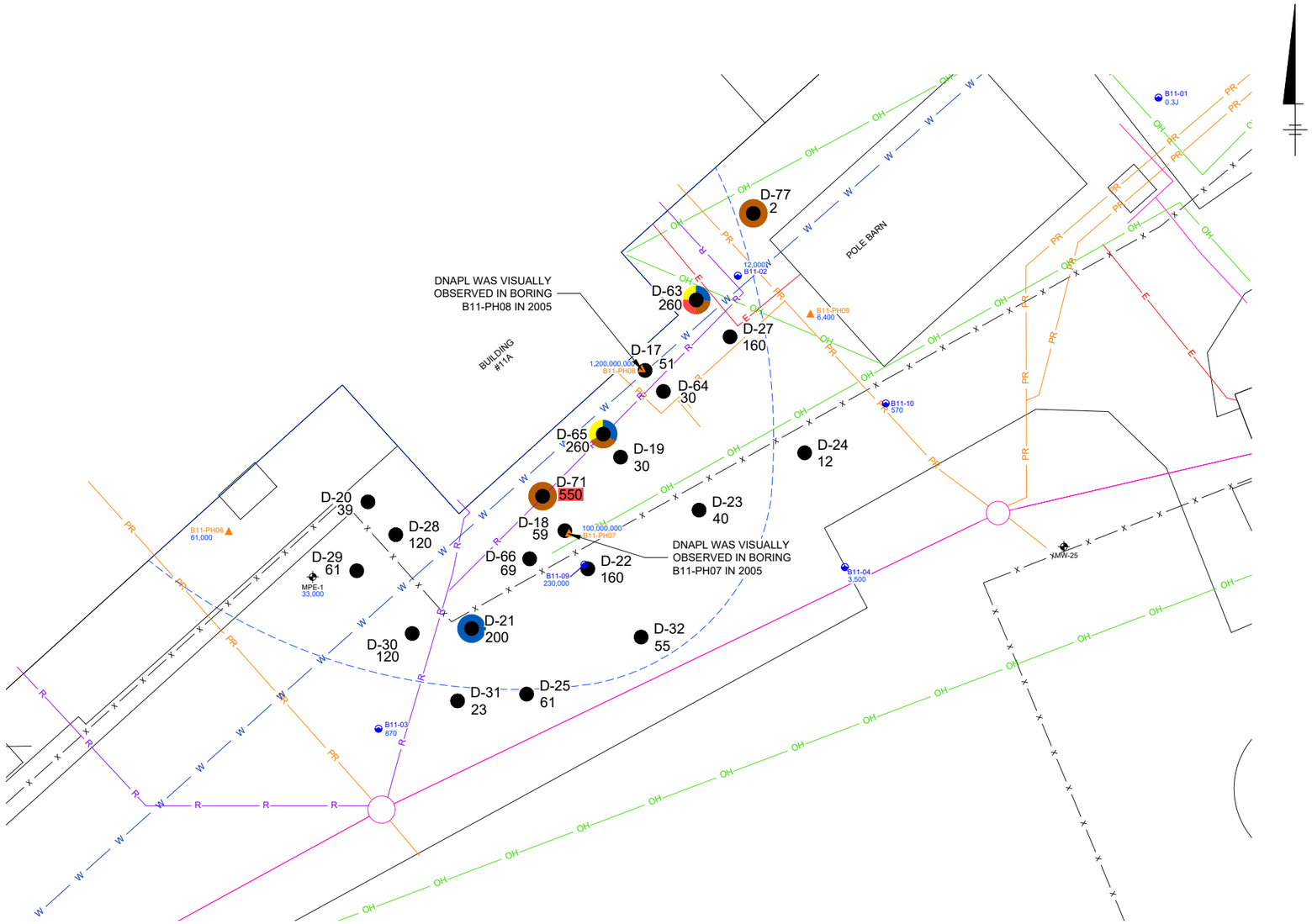
PDI-X-COMBINED UTILS
PDI-X-TITLE



LEGEND

- WATER LINE
- ELECTRIC LINE
- ELECTRIC LINE (OVERHEAD)
- STORM SEWER PIPE
- STORMWATER (ROOF DRAINS)
- PROCESS WASTE LINES
- MANHOLE / CATCH BASIN
- FENCE
- MONITORING WELL
- HISTORICAL TEMPORARY MONITORING WELL
- HISTORICAL BORING LOCATION
- APPROXIMATE AREA WITH GROUNDWATER CONCENTRATIONS EXCEEDING 12,800 µg/L (1% OF THE TCE SOLUBILITY LIMIT)
- 870 — GROUNDWATER TCE CONCENTRATION IN µg/L FROM SAMPLES COLLECTED IN 2000 OR 2005
- D-20 39 — BORING LOCATION
- MAXIMUM TCE CONCENTRATION FOR EACH BORING (mg/kg)
- SHAKE TEST POSITIVE
- PID > 15,000 ppm
- DNAPL VISUALLY OBSERVED
- 10,000 — THE MAXIMUM TCE CONCENTRATION EXCEEDS THE SITE-SPECIFIC SOIL SATURATION LIMIT OF 492 mg/kg FOR TCE
- LIF OR UV POSITIVE (EXCLUDES NATURAL FLUORESCENCE)

NOTES:

1. ALL HISTORICAL LOCATIONS AND UTILITY EXTENTS ARE APPROXIMATE.
2. D-SERIES BORINGS WERE ADVANCED SEPTEMBER TO NOVEMBER 2020 AND IN JUNE 2021.
3. TCE CONCENTRATIONS DISPLAYED FOR D-SERIES BORINGS ARE THE MAXIMUM RESULT FROM ALL SAMPLES COLLECTED FROM EACH BORING.
4. BORINGS WERE SCREENED FOR EVIDENCE OF DNAPL FOLLOWING THE FLOW CHART SHOWN ON FIGURE 13.

mg/kg =	MILLIGRAMS PER KILOGRAM
µg/L =	MICROGRAM PER LITER
DNAPL =	DENSE NON-AQUEOUS PHASE LIQUID
LIF =	LASER-INDUCED FLUORESCENCE
PID =	PHOTOIONIZATION DETECTOR
ppm =	PART PER MILLION
TCE =	TRICHLOROETHENE
UV =	ULTRAVIOLET
> =	GREATER THAN

0 15' 30'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

TCE CONCENTRATIONS AND DNAPL LINES OF EVIDENCE IN AOC 3

ARCADIS

FIGURE
12

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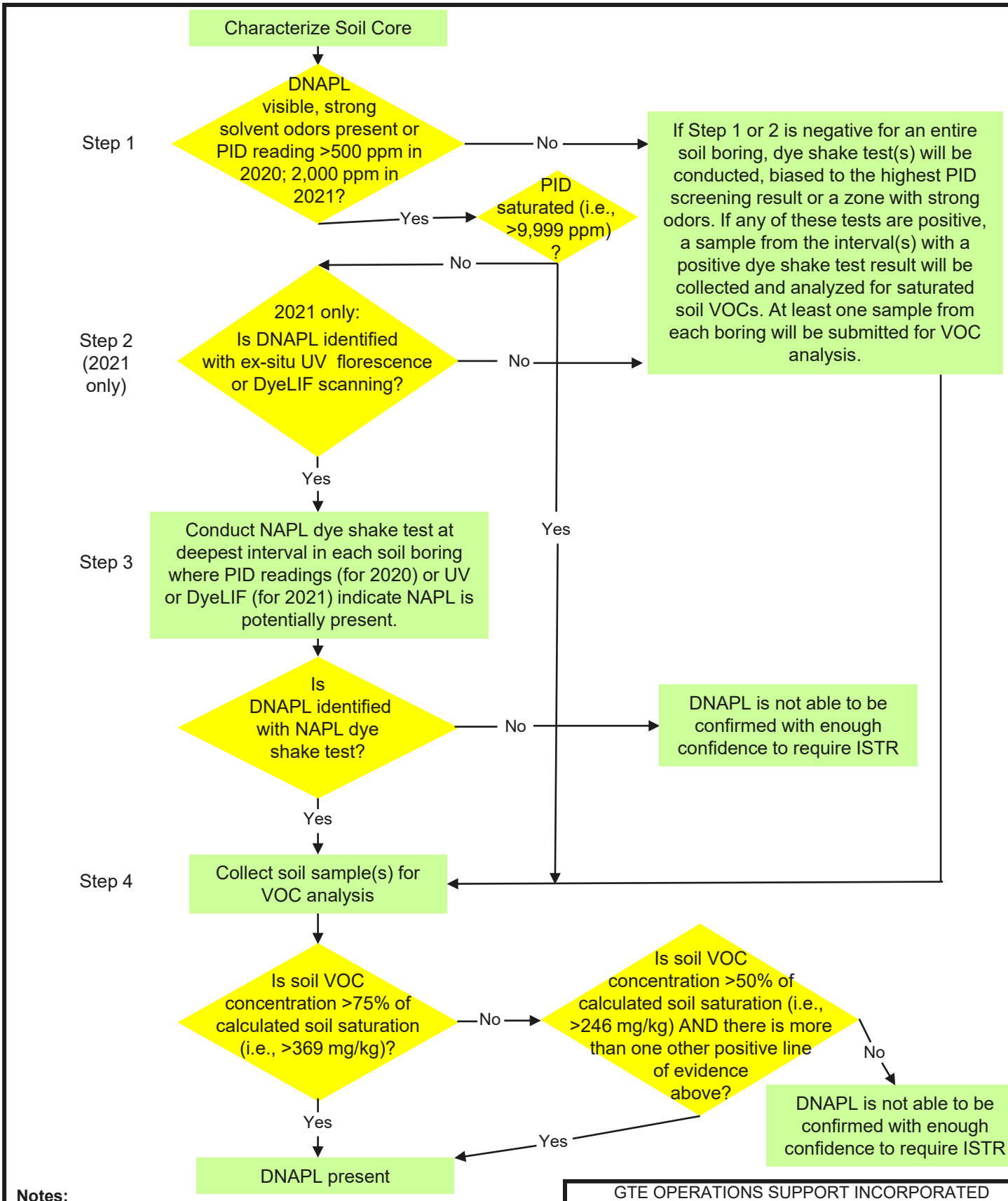
PDI-X-COMBINED UTILS
PDI-X-TITLE



Notes:
> = greater than
DNAPL = dense non-aqueous phase liquid
ISTR = in-situ thermal remediation
DyeLIF =dye-enhanced laser-induced fluorescence
mg/kg = milligrams per kilogram
NAPL = non-aqueous phase liquid
PID = photoionization detector
ppm = parts per million
UV = ultraviolet
VOC = volatile organic compound

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

DNAPL DELINEATION FLOWCHART

ARCADIS Design & Consultancy for natural and built assets

FIGURE
13

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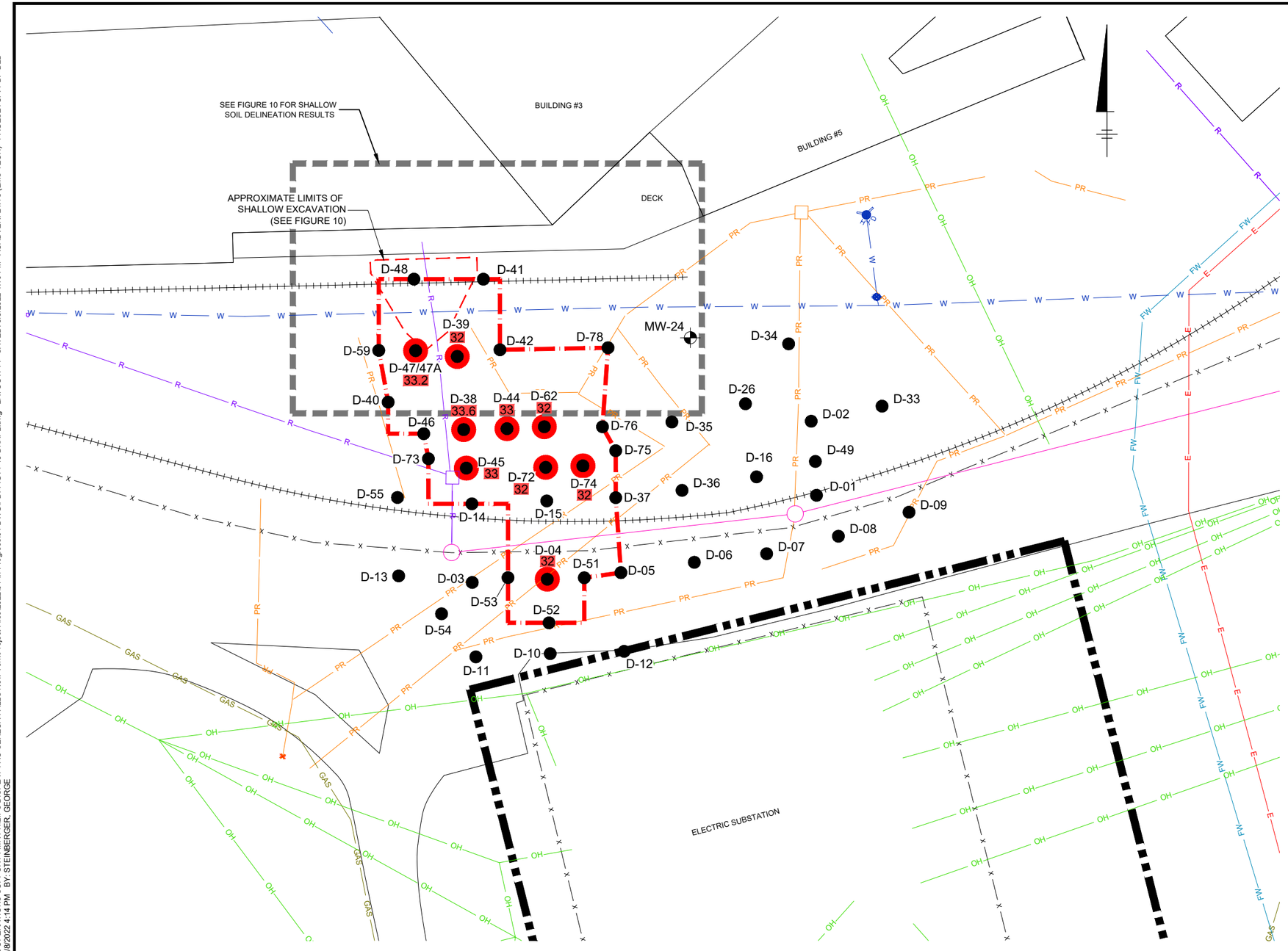

LEGEND

- WATER LINE
- ELECTRIC LINE
- ELECTRIC LINE (OVERHEAD)
- GAS LINE
- STORM SEWER PIPE
- STORMWATER (ROOF DRAINS)
- PROCESS WASTE LINES
- FORMER WATER LINE
- FIRE HYDRANT
- MANHOLE / CATCH BASIN
- RAILROAD TRACK
- PROPERTY BOUNDARY
- FENCE
- MONITORING WELL
- BORING LOCATIONS WITH DNAPL POSITIVELY IDENTIFIED

COMPLETED PHASE I BORINGS

- D-45 / 33 — BORING LOCATION
- MAXIMUM DEPTH OF DNAPL (feet below ground surface)
- APPROXIMATE LIMITS OF PROPOSED IN-SITU THERMAL REMEDIATION

NOTES:

1. ALL HISTORICAL LOCATIONS AND UTILITY EXTENTS ARE APPROXIMATE.
2. BORINGS WERE SCREENED FOR EVIDENCE OF DNAPL FOLLOWING THE FLOW CHART SHOWN ON FIGURE 13.

0 15' 30'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

ESTIMATED EXTENT OF DNAPL - AOC 1

ARCADIS

FIGURE
14

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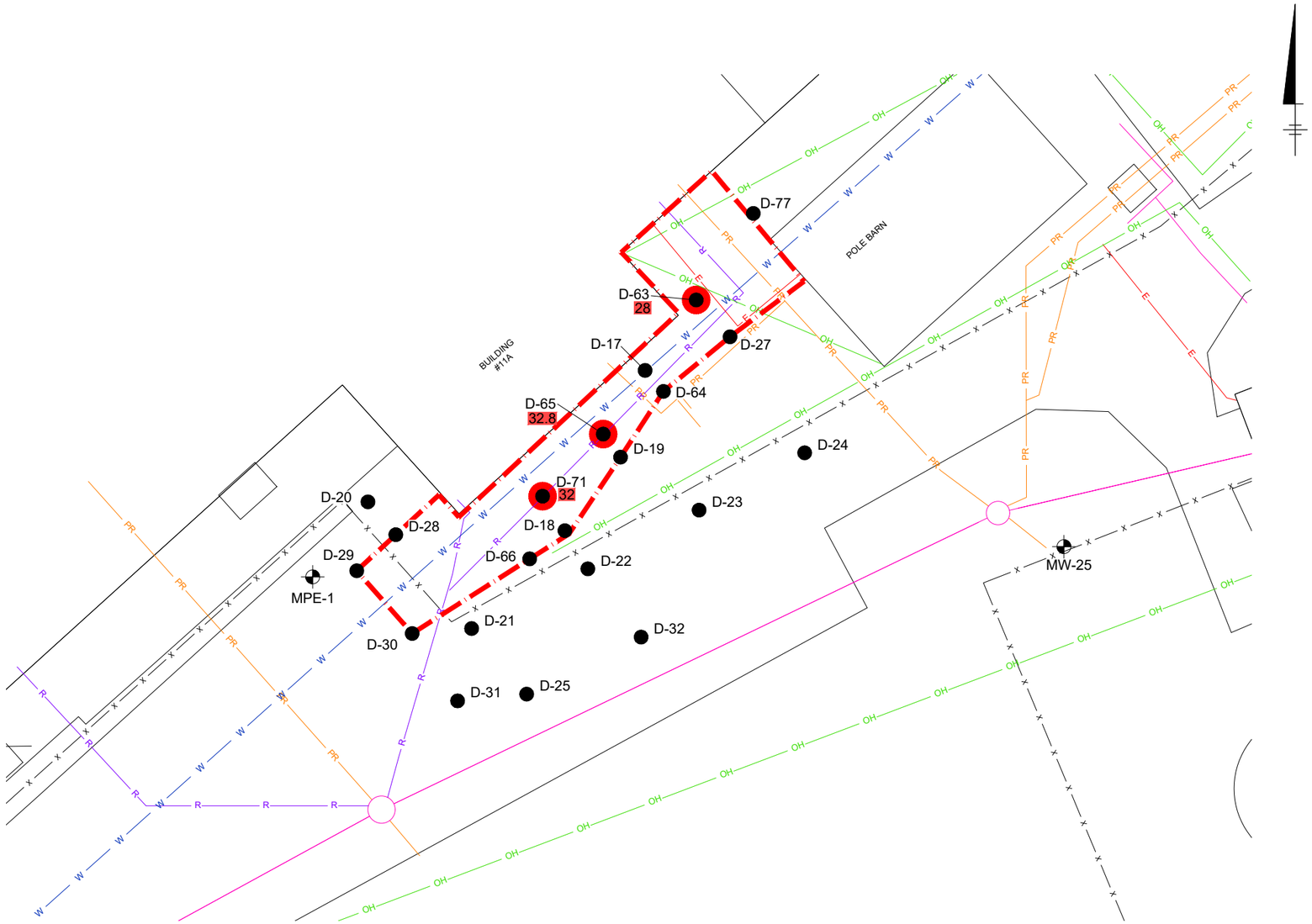
PDI-X-COMBINED UTILS
PDI-X-TITLE



LEGEND

- WATER LINE
- ELECTRIC LINE
- ELECTRIC LINE (OVERHEAD)
- STORM SEWER PIPE
- STORMWATER (ROOF DRAINS)
- PROCESS WASTE LINES
- MANHOLE / CATCH BASIN
- FENCE
- MONITORING WELL
- BORING LOCATIONS WITH DNAPL POSITIVELY IDENTIFIED

COMPLETED PHASE I BORINGS

- D-71 32 — BORING LOCATION; MAXIMUM DEPTH OF DNAPL (feet below ground surface)
- APPROXIMATE LIMITS OF PROPOSED IN-SITU THERMAL REMEDIATION

NOTES:

1. ALL HISTORICAL LOCATIONS AND UTILITY EXTENTS ARE APPROXIMATE.
2. BORINGS WERE SCREENED FOR EVIDENCE OF DNAPL FOLLOWING THE FLOW CHART SHOWN ON FIGURE 13.

0 15' 30'
GRAPHIC SCALE

GTE OPERATIONS SUPPORT INCORPORATED
FORMER PHILIPS DISPLAY COMPONENTS FACILITY
SENECA FALLS, NEW YORK
PRE-DESIGN INVESTIGATION REPORT

ESTIMATED EXTENT OF DNAPL - AOC 3

ARCADIS

FIGURE
15

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PDI-X-COMBINED UTILS
PDI-X-TITLE

Appendix A

Historical Outfall Soil Descriptions

Table A-1
Historical Outfall 2 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

ARCADIS

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.2	**57**	**60.3**	9.3	Dark brown SAND, loose, moist. [TOPSOIL]
0.5-1.0	NA	**77**	**71.5**	9.3	Dark brown medium SAND, moist. [TOPSOIL]
1.0-1.5	NA	**79**	**86.5**	9.3	Dark brown medium SAND, trace wood, moist. [TOPSOIL]
1.5-2.0	NA	**112**	**88.2**	9.3	Dark brown medium SAND, trace organics, moist. [TOPSOIL]
2.0-2.5	4.2	**344**	**231**	9.3	Dark brown SILT and very fine SAND, some Clay and medium to coarse angular to subrounded Gravel, trace Roots, wet.
2.5-3.0	3.3	**66**	**61**	9.3	Dark brown SILT and very fine SAND, little Silt and medium subangular Gravel, trace Roots and Sticks, moist.
3.0-3.5					Water Table

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	13.4	**25**	**23.1**	9.3	Dark brown SILT, some very fine Sand, trace subround Gravel and Organics, dry. [TOPSOIL]
0.5-1.0	6.0	**21**	**12.7**	9.3	Dark brown SILT, some very fine Sand, trace subround Gravel, Cobbles, and Organics, dry. [TOPSOIL]
1.0-1.5	14.1	6	**16.2**	9.3	Dark brown SILT, some very fine Sand, trace subround Gravel, Clay, and Organics, dry. [TOPSOIL]
1.5-2.0	14.1	**165**	**160**	9.3	Dark brown SILT, some very fine Sand, little subround to angular Gravel, trace Organics, dry. [TOPSOIL]
2.0-2.5	5.4	**893**		9.3	Brownish-gray SILT, some Sand, trace organics, moist.
2.5-3.0	2.6	**1696**		9.3	Brownish-gray SILT and SAND, trace Roots, wet.
3.0-3.5	0.3	**1187**	**1260**	9.3	Dark brown SILT, some fine medium to coarse Sand, trace Roots.
3.5-4.0	1.2	**1569**	**1540**	9.3	Dark brown SILT, some fine medium to coarse Sand, trace Roots.
4.0-4.5					Water Table

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	6.5	**50**	**52.3**	9.3	Dark brown SILT, little very fine Sand, little coarse Gravel, trace Clay and Organics, dry. [TOPSOIL]
0.5-1.0	9.8	**54**	**44.5**	9.3	Dark brown SILT, little very fine Sand, trace coarse subrounded Gravel, trace Clay and Organics, dry. [TOPSOIL]
1.0-1.5	15.9	**109**	**64.1**	9.3	Dark brown SILT, little very fine Sand, little Clay, little coarse angular to rounded gravel, trace Roots, dry.
1.5-2.0	4.7	**48**	**52**	9.3	Dark brown SILT and very fine SAND, trace medium subrounded Gravel, trace Roots, dry.
2.0-2.5	4.2	**152**	**103**	9.3	Dark brown SILT and fine SAND, little Clay, trace subrounded coarse Gravel, trace Roots, moist. [TOPSOIL]
2.5-3.0					Water Table

	Sample Location				
	4				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.6	**126**	**123**	9.3	Dark brown SILT, some very fine Sand, trace medium to coarse angular to subrounded Gravel, trace Roots, dry. [TOPSOIL]
0.5-1.0	5.2	**126**	**77.1**	9.3	Dark brown SILT and very fine SAND, little subrounded medium Gravel, trace Clay, Leaves, and Roots, moist.
1.0-1.5	6.8	**125**	**124**	9.3	Dark brown SILT, some Clay, little very fine Sand, trace subrounded coarse Gravel, trace Roots, moist.
1.5-2.0	8.8	**52**	**60.3**	9.3	Brown to light brown SILT, very fine SAND, and CLAY, trace medium subrounded Gravel, trace Roots, high plasticity, moist
2.0-2.5	0.0	**42**	**44.7**	9.3	Brown SILT and fine SAND, little Clay, little Gravel and Roots, moist. [TOPSOIL]
2.5-3.0					Water Table

See Notes on Page 2.

Table A-1
Historical Outfall 2 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	5				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	12.6	**105**	**81.1**	9.3	Dark brown SILT, some very fine Sand, little Roots and Mulch, well sorted, dry. [TOPSOIL]
0.5-1.0	12.7	**104**	**83.3**	9.3	Brown SILT, little very fine Sand, trace medium angular Gravel and trace Roots, dry. [TOPSOIL]
1.0-1.5	8.6	**93**	**80.2**	9.3	Dark brown fine SAND, some Silt, little Roots, moist. [TOPSOIL]
1.5-2.0	19.0	**98**	**89.7**	9.3	Dark brown SILT, little Sand, little Roots and Leaves, moist.
2.0-2.5	0.1	**77**		9.3	Dark brown SILT and fine SAND, little Roots, moist.
2.5-3.0	0.7	**33**	**33.9**	9.3	Brown and gray SILT, CLAY, and fine SAND, little coarse Gravel, wet.
3.0-3.5	0.0	1 U	9.3	9.3	Brown and gray CLAY, some Silt and fine SAND, trace Gravel, wet.
3.5-4.0					
4.0-4.5					

	Sample Location				
	6				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	NA	**360**		9.3	Brown fine SAND, little Silt, little large Roots and Mulch, dry. [TOPSOIL]
0.5-1.0	15.1	**250**	**166**	9.3	Dark brown fine SAND and SILT, trace coarse angular to subrounded Gravel and Roots, dry. [TOPSOIL]
1.0-1.5	15.4	**168**	**170 [143]**	9.3	Dark brown fine SAND, some Silt, trace subrounded coarse Gravel and Roots, dry. [TOPSOIL]
1.5-2.0	11.4	**185**		9.3	Dark brown fine SAND, some Silt, little coarse subangular to subrounded Gravel and Roots, dry. [TOPSOIL]
2.0-2.5	1.3	**150**	**141**	9.3	Dark brown SILT, fine Sand, trace fine Gravel, and Roots.
2.5-3.0	0.4	**83**	**72.1**	9.3	Dark brown SILT, fine Sand, trace fine Gravel, and Roots.
3.0-3.5					Water table

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
4. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-2
Historical Outfall 3 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.2	**304**		9.3	Dark brown CLAY and medium SAND, trace medium subrounded Gravel and Roots, dry.
0.5-1.0	2.3	**23**		9.3	Brown CLAY, some Silt and fine Sand, trace angular Gravel, dense, moist.
1.0-1.5	1.3	**55**	**39.6 J**	9.3	Brown CLAY, some Silt and fine Sand, trace angular Gravel, dense, wet.
1.5-2.0	1	**17**	**22.2 [20.5]**	9.3	Brown CLAY, some fine Silt and subrounded medium Gravel, dense, wet.
2.0-2.5					Water Table

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	5	**50**		9.3	Dark brown fine SAND, some Silt, subrounded Gravel, and Roots, dry.
0.5-1.0	4.5	**15**		9.3	Brown CLAY, some Silt, little fine Sand, trace subrounded Gravel, moist.
1.0-1.5	3.1	**10**		9.3	Brownish-gray CLAY, some medium subrounded Gravel, little Silt, moist.
1.5-2.0	3.8	**97**		9.3	Brownish-red CLAY, some Silt and angular Gravel, little fine Sand, moist.
2.0-2.5	3.8	**33**		9.3	Brownish-red CLAY, some Silt, little fine Sand, trace angular Gravel, moist.
2.5-3.0	4.2	**14**		9.3	Brownish-red CLAY, some Silt, trace angular Gravel, wet.
3.0-3.5	7.3	**14**		9.3	Brownish-red CLAY, some Silt and Asphalt, wet.
3.5-4.0	7.1	**26**		9.3	Brownish-red CLAY, some fine Sand, dense, moist.
4.0-4.5	0.9	**40**	**24.1**	9.3	Brown CLAY, some Silt, little medium angular Gravel, wet.
4.5-5.0	3.3	1 U	2.1	9.3	Brown CLAY, very dense, dry.
5.0-5.5					Water Table

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.3	XRF	Lab	SCO	Dark brown medium SAND, some Roots and Mulch, trace fine Sand, moist.
0.5-1.0	1.6	**207**		2.5	Brown SILT and fine SAND, trace angular Gravel, moist.
1.0-1.5	0.9	**53**		2.5	Brownish-gray CLAY, some Silt, some medium subrounded Gravel, trace fine Sand, moist.
1.5-2.0	1.3	**89**	**54.2**	2.5	Brownish-gray CLAY, some Silt, some subangular Gravel, trace fine Sand, wet.
2.0-2.5	NA	**8**	**17.8 J [0.79 J]**	2.5	Brown SILT, some Gravel, trace fine Sand, dry.
2.5-3.0	NA		**15.4 J**	2.5	Brown SILT and fine SAND, some Gravel, dry.
3.0-3.5	NA		1.7	2.5	Brown SAND and SILT, some Gravel, moist.
3.5-4.0	NA		0.24	2.5	Brown SILT and CLAY, wet, dense.
4.0-4.5			2.0	2.5	Water Table

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
4. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-3
Historical Outfall 4 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

ARCADIS

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.4	**916**		9.3	Dark brown SILT and CLAY, some fine Sand, trace Roots, dry. [TOPSOIL]
0.5-1.0	2.4	**117**		9.3	Brown SILT and CLAY, some fine Sand, trace Gravel and Roots, dry. [TOPSOIL]
1.0-1.5	1.2	**556**		9.3	Brown CLAY, little fine Sand and Silt, trace coarse subrounded Gravel and Roots, dense, dry.
1.5-2.0	2.1	**11**		9.3	Reddish-brown CLAY, trace medium Sand and medium angular Gravel, dense, dry.
2.0-2.5	0.7	**66**	**57.5 J [19.5 J]**	9.3	Reddish-brown CLAY, trace fine Sand and medium angular Gravel, dense, moist.
2.5-3.0	1.3	8.0	**11**	9.3	Reddish-brown CLAY, trace fine Sand and medium angular Gravel, dense, dry.
3.0-3.5	NA		4.2 [4.5]	9.3	Brown SILT and SAND and CLAY, dry, dense.
3.5-4.0	NA		1.9	9.3	CLAY and some fine Sand, dense, dry.
4.0-4.5					Refusal

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.8	**6,036**		9.3	Dark brown SILT and CLAY, some fine Sand, trace medium angular Gravel, trace Roots, dry. [TOPSOIL]
0.5-1.0	2.8	**1,354**		9.3	Dark brown medium SAND, some Silt, trace subrounded Gravel, Clay, and Roots, dry.
1.0-1.5	3.9	**3,171**		9.3	Brown medium SAND, some Silt, trace medium subangular to subrounded Gravel and Roots, dry.
1.5-2.0	4.4	**612**		9.3	Brown medium SAND, trace Silt, medium subrounded Gravel, and Roots, dry.
2.0-2.5	3.1	**231**		9.3	Brown medium SAND, trace Silt, medium subrounded Gravel, and Roots, dry.
2.5-3.0	2.4	**133**		9.3	Brown medium SAND, and SILT, trace Roots, dry.
3.0-3.5	3.0	**141**	**100 [104]**	9.3	Brownish-red CLAY, some Silt, trace fine Sand, dry.
3.5-4.0	0.9	**401**	**325**	9.3	Brownish-red CLAY, trace Silt, fine Sand, and angular Gravel, dry.
4.0-4.5	3.3	**177**		9.3	Brown fine SAND, little Clay, trace Silt, Roots, and Wood, dry.
4.5-5.0	4.9	**155**		9.3	Brown fine medium SAND, trace Clay, trace medium subangular Gravel and Roots, dry.
5.0-5.5	1.9	**188**	**165**	9.3	Brown CLAY and SILT, some fine Sand, moist.
5.5-6.0	7.1	5.0	**57**	9.3	Brown CLAY and SILT, some fine Sand, trace subrounded Gravel, moist.
6.0-6.5					Refusal

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	3.5	**1,650**		9.3	Brown medium SAND, ROOTS, and LEAVES, trace Silt and medium subrounded Gravel, dry.
0.5-1.0	4.8	**307**		9.3	Brown medium SAND, trace Silt, subangular medium Gravel, and Roots, dry.
1.0-1.5	5.3	**67**	**52.3**	9.3	Light brown medium SAND, trace Silt, medium subrounded Gravel, and Roots, dry.
1.5-2.0	4.3	1 U	**10.8**	9.3	Light brown medium SAND, trace subangular coarse Gravel, Silt, and Roots, dry.
2.0-2.5	1.2	9.0	**17.9 [19.7]**	9.3	Light brown SILT and fine SAND, dry.
2.5-3.0	0.5	6.0	8.0	9.3	Light brown SILT and fine SAND, dry.

See Notes on Page 2.

Table A-3
Historical Outfall 4 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	4				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.6	**7,674**		9.3	Dark brown fine SAND and ORGANICS (Roots, Leaves, Sticks), some silt, dry.
0.5-1.0	1.7	**1,814**	**489**	9.3	Dark brown SILT and medium SAND, trace coarse subangular Gravel, Clay, Wood, and Roots, dry. [TOPSOIL]
1.0-1.5	3.4	**286**		9.3	Reddish-brown CLAY, trace Silt and fine Sand, trace roots, dry.
1.5-2.0	3.6	**66**		9.3	Reddish-brown CLAY, trace Silt and fine Sand, dry.
2.0-2.5	2.1	**153**		9.3	Brown CLAY, trace fine Sand and Silt, dense, dry.
2.5-3.0	1.8	**45**	**35.3**	9.3	Brown CLAY, some Silt and little fine Sand, trace medium subrounded Gravel, dry.
3.0-3.5	1.2	1 U	**0.73 J [18.4 J]**	9.3	Light brown SILT, dry.
3.5-4.0	2.9		**60.1 [42.3]**	9.3	Light brown SILT, dry.
4.0-4.5	0.0		**28.5**	9.3	Light brown very fine to fine SAND, trace Silt and coarse angular Gravel, moist to dry.
4.5-5.0					Refusal

	Sample Location				
	5				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.2	**1,934**		9.3	Dark brown SILT and fine SAND, trace Clay, medium subrounded Gravel, and Roots, dry. [TOPSOIL]
0.5-1.0	0.0	**1,179**		9.3	Dark brown SILT and CLAY, some fine Sand, trace coarse subrounded Gravel and Roots, moist.
1.0-1.5	0.2	**457**		9.3	Brown CLAY, some Silt, trace fine Sand, dry.
1.5-2.0	1.5	**335**		9.3	Brown CLAY, little medium fine Sand, trace subrounded coarse Gravel and Roots, dry.
2.0-2.5	1.9	**146**		9.3	Brown CLAY, trace fine Sand and Silt, trace medium subrounded Gravel, dense, dry.
2.5-3.0	1.8	**39**		9.3	Brownish-red CLAY, trace fine Sand and Silt, dense, dry.
3.0-3.5	2.7	**1,528**	**1,640**	9.3	Brown CLAY, some fine Sand, trace Silt, dry.
3.5-4.0	3.3	1 U	9.1	9.3	Brown CLAY, some fine Sand, dry.

	Sample Location				
	6				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.2	**4,487**		2.5	Dark brown medium SAND and SILT, little Organics, dry. [TOPSOIL]
0.5-1.0	2.9	**4,053**		2.5	Brown SILT and medium to coarse SAND, trace Clay and medium subangular Gravel, moist.
1.0-1.5	2.2	**24,507**		2.5	Light brown CLAY, some Silt, trace Roots, moist.
1.5-2.0	2.4	**6,716**		2.5	Light brown to brown SILT, trace Clay, moist.
2.0-2.5	0.4	**2,112**		2.5	Dark brown CLAY, some Silt and angular Gravel, trace fine Sand, wet.
2.5-3.0	0.0	**635**		2.5	Brownish-gray CLAY, some Silt and angular Gravel, wet.
3.0-3.5	16.2	**559**	**395**	2.5	Grayish-brown medium to coarse subrounded to angular GRAVEL, little Silt, trace medium Sand, moist.
3.5-4.0	11.7	**4.0**	**406**	2.5	Grayish-brown GRAVEL and COBBLES, little Silt, trace Clay, wet.
4.0-4.5					Water Table

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
4. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-4
Historical Outfall 5 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.8	**90**		9.3	Dark brown medium SAND and SILT, some Roots and Mulch, dry.
0.5-1.0	3.1	**72**		9.3	Dark brown medium SAND and SILT, some Clay, moist.
1.0-1.5	2.2	**84**		9.3	Dark brown CLAY, some fine Sand, trace Silt and medium subround Gravel, moist.
1.5-2.0	1.2	**91**	**59.7 J**	9.3	Brownish-gray CLAY, some Silt and medium subround Gravel, little fine Sand, wet.
2.0-2.5	8.2	1 U	7.0	9.3	Brownish-red CLAY, some Silt, trace fine Sand and Gravel, wet.
2.5-3.0	3.8	1 U		9.3	Brownish-red CLAY and SILT, trace fine Sand and Gravel, wet.

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.3	**99**		9.3	Dark brown SILT, some Clay, trace subround medium Gravel, moist.
0.5-1.0	1.1	**169**		9.3	Brown SILT and fine SAND, little subround medium Gravel, moist.
1.0-1.5	2.1	**79**		9.3	Grayish-brown CLAY, some Silt and fine Sand, trace Roots and medium subround Gravel, moist.
1.5-2.0	3.6	**67**	**85.8**	9.3	Grayish-brown CLAY, some Silt, fine Sand, and medium subround Gravel, dense, wet.
2.0-2.5	5.3	**61**		9.3	Brownish-gray CLAY, some Silt, trace angular Gravel, dense, moist.
2.5-3.0	6.3	**34**		9.3	Brown CLAY, some Silt, trace fine Sand and angular Gravel, dense, moist.
3.0-3.5	10.1	**26**		9.3	Brown CLAY, some Silt and medium Sand, trace medium angular Gravel, dense, moist.
3.5-4.0	8.6	**16**		9.3	Brown CLAY, some Silt, trace fine Sand and coarse angular Gravel, dense, moist.
4.0-4.5	13.5	**25**		9.3	Brown CLAY, some Silt and medium Gravel, trace fine Sand, moist.
4.5-5.0	10.3	**12**	**18.4**	9.3	Brownish-red CLAY, some Silt and medium Gravel, trace fine Sand, wet.
5.0-5.5	6.6	**12**	**14.8**	9.3	Brownish-red CLAY, some Silt and medium Gravel, trace fine Sand, wet.
5.5-6.0					Refusal

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.6	**71**		9.3	Dark brown SAND and SILT, some Roots and Mulch, dry. [TOPSOIL]
0.5-1.0	2.8	**46**		9.3	Dark brown CLAY, some medium Sand and Silt, trace medium subround Gravel, moist.
1.0-1.5	1.6	**14**		9.3	Dark brownish-gray CLAY and fine SAND, little medium subround Gravel, dry.
1.5-2.0	2.6	**17**	**21.3 [30.4]**	9.3	Brownish-gray CLAY and SILT, little angular Gravel, moist.
2.0-2.5	1.3	**16**		9.3	Brownish-red CLAY, some fine Sand, little Silt, trace angular Gravel, wet.
2.5-3.0	0.9	**24**		9.3	Brownish-red CLAY, some Silt, trace fine Sand and angular Gravel, wet.
3.0-3.5	4.8	**24**	**19.3**	9.3	Brownish-red to gray CLAY, some Silt, fine Sand, and angular Gravel, dense, wet.
3.5-4.0	3.9	1 U	2.5	9.3	Gray GRAVEL, some Silt and large subround Gravel, dry.
4.0-4.5	3.2	4		9.3	Brownish-gray CLAY, some Silt and little fine Sand, trace angular Gravel, dense, moist.

See Notes on Page 2.

Table A-4
Historical Outfall 5 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	4				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	3.9	**18,110**	**24,400**	2.5	Brown medium SAND and SILT, trace Clay and Roots, moist.
0.5-1.0	2.4	**33,708**		2.5	Light brown SILT, little fine Sand, trace Clay, moist.
1.0-1.5	2.9	**3,218**		2.5	Dark brown CL, some Silt, trace fine Sand and Roots, moist.
1.5-2.0	3.1	**368**		2.5	Brown CLAY and SILT, little medium angular Gravel, trace medium Sand and Roots, moist.
2.0-2.5	2.3	**228**	**179**	2.5	Brownish-gray CLAY, some Silt and angular Gravel, trace fine Sand, wet.
2.5-3.0	2.7	**2,553**	**1,810**	2.5	Brownish-gray CLAY, some Silt and angular Gravel, trace fine Sand, wet.
3.0-3.5					Water Table

	Sample Location				
	5				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	3.2	**476**		2.5	Dark brown to red coarse SAND, some Silt and medium to coarse Gravel, dry.
0.5-1.0	4.5	**625**		2.5	Dark brown SILT and medium to coarse SAND, some medium to coarse angular to rounded Gravel, trace Clay, moist.
1.0-1.5	4.1	**217**	**315**	2.5	Brown CLAY, little Silt, trace Roots, moist.
1.5-2.0	4.3	**301**	**237**	2.5	Brown CLAY and SILT, some medium to coarse subrounded to angular Gravel, trace Roots, moist.
2.0-2.5					Water Table

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
3. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-5
Historical Outfall 6 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.5	**87**	**94.6 J**	9.3	Dark brown SILT and medium SAND, some Organics, moist.
0.5-1.0	2.9	1 U	3.8	9.3	Brown CLAY, some Silt, trace fine Sand and angular Gravel, dry.
1.0-1.5	2.1	1 U		9.3	Brown CLAY, trace fine Sand and angular Gravel, dry.
1.5-2.0	0.1	1 U		9.3	Brownish-gray CLAY, some Silt, trace fine Sand and angular Gravel, moist.

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	**3**	**32**	**34.9**	9.3	Dark brown SILT, some angular Gravel and Roots, trace medium Sand, moist.
0.5-1.0	3.4	1 U	0.86 J [1.5 J]	9.3	Brown SILT and fine SAND, trace small subround Gravel, moist.
1.0-1.5	1.9	1 U		9.3	Brownish-red CLAY, some Silt, trace fine Sand and angular Gravel, moist.
1.5-2.0	3.4	1 U		9.3	Grayish-brown CLAY, some fine Sand, trace angular Gravel, dry.

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.8	**43**	**46.1**	9.3	Dark brown SILT and medium SAND, trace Roots, dry.
0.5-1.0	2.2	1 U	5.7	9.3	Brown CLAY, some Silt and fine Sand, trace Roots, dry.
1.0-1.5	1.3	1		9.3	Brownish-red CLAY, some Silt, trace Roots, dry.
1.5-2.0	1.6	1 U		9.3	Brownish-red CLAY, some Silt, moist.

	Sample Location				
	4				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.9	**54**	**53.4**	9.3	Dark brown SILT, some Clay, trace fine Sand and Roots, moist.
0.5-1.0	2.9	1 U	2.3	9.3	Brownish-red CLAY, some fine Sand and angular Gravel, trace Silt, dense, moist.
1.0-1.5	2.2	1 U		9.3	Brownish-red CLAY, some fine Sand, trace angular Gravel, dense, moist.
1.5-2.0	1.5	1 U		9.3	Dark brown SILT, some medium Sand, dense, moist.

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
3. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-6
Historical Outfall 7 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	1				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	**0.1**	62	**61.6**	9.3	Dark brown SILT, some fine Sand, little Roots, dry. [TOPSOIL]
0.5-1.0	1.0	1 U	5.0	9.3	Dark brown SILT, some fine Sand, little Roots, dry. [TOPSOIL]
1.0-1.5	1.0	1 U		9.3	Brown medium SAND, trace Silt, Clay, and medium angular Gravel, dry.
1.5-2.0	0.2	1 U		9.3	Brown medium SAND, trace Silt, Clay, and medium angular Gravel, dry.

	Sample Location				
	2				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	**1.8**	4	**11.3**	9.3	Dark brown CLAY, some fine Sand, trace Roots and fine subrounded Gravel, dry.
0.5-1.0	**2.0**	1 U	0.2 U	9.3	Brown CLAY, some fine Sand, trace medium angular Gravel, dry.
1.0-1.5	**1.9**	1 U		9.3	Brown CLAY, some fine Sand, trace medium angular Gravel, dry.
1.5-2.0	**1.9**	1 U		9.3	Brown CLAY, some fine Sand, trace medium angular Gravel, dry.

	Sample Location				
	3				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	**0.5**	**98**	**86.3**	9.3	Brown CLAY, some fine Silt, trace Roots and Leaves, moist.
0.5-1.0	**2.9**	1 U	0.42 J [1.9 J]	9.3	Brown CLAY, little fine Sand, trace Silt, fine angular Gravel, Roots, dry.
1.0-1.5	**6.3**	1 U		9.3	Brown CLAY and medium SAND, trace medium to coarse subangular Gravel, dense, dry.
1.5-2.0	**6.4**	1 U		9.3	Brown CLAY, some medium Sand, trace medium to coarse subround Gravel, dense, dry. Some gray and tan coloring in CLAY.

	Sample Location				
	4				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	**6**	**132**		9.3	Dark brown SILT, some Clay, trace fine Sand, Clay, medium round Gravel, and Roots, wet.
0.5-1.0	**8.7**	**16**	**14.4**	9.3	Dark brown CLAY, trace Silt, very dense, dry.
1.0-1.5	**5.5**	1 U	0.34 J	9.3	Dark brown CLAY, trace Silt, very dense, dry.
1.5-2.0	**6.1**	1 U		9.3	Brown CLAY with orange to black staining, some medium Sand, trace fine subround Gravel, dense, dry.

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
4. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Table A-7
Historical Outfall 67 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

Depth (ft)	Sample Location 1				
	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	7.7	**154**	**168**	9.3	Dark brown SILT and CLAY, some fine Sand, trace Roots, moist.
0.5-1.0	7.7	1 U	2.0	9.3	Dark brown CLAY, some Silt, trace fine Sand, moist.
1.0-1.5	5.3	1 U		9.3	Brown CLAY and SILT, some fine Sand, trace angular Gravel, moist.
1.5-2.0	2.7	1 U		9.3	Brown CLAY and SILT, some fine Sand, trace medium Gravel, moist.

Depth (ft)	Sample Location 2				
	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	7.6	1 U	1.9 J [4.7 J]	9.3	Brown SILT, some fine Sand and Clay, trace medium Gravel, moist.
0.5-1.0	10.4	1 U	1.2 J	9.3	Dark brown SILT and CLAY, some fine Silt, trace medium Gravel, moist.
1.0-1.5	13.3	3		9.3	Brown CLAY, some Silt and fine Sand, moist.
1.5-2.0	15.6	1		9.3	Brown CLAY, some fine Sand, trace Silt, moist.

Depth (ft)	Sample Location 3				
	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	1.1	**77**	**46.9**	9.3	Dark brown SILT, some medium Sand, dense, moist. [TOPSOIL]
0.5-1.0	5	1 U	0.2 U	9.3	Dark brownish-red CLAY, some Silt, trace fine Sand, dense, moist.
1.0-1.5	2.5	1 U		9.3	Dark brownish-red to gray CLAY, some Silt, trace fine Sand and angular Gravel, dense, moist.
1.5-2.0	2.3	1 U		9.3	Brownish-red CLAY, some fine Sand, trace angular Gravel, dense, moist.

Depth (ft)	Sample Location 4				
	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	7.1	**46**	**34.2**	9.3	Dark brown SILT, some Clay and fine Sand, trace medium subround Gravel and Roots, moist.
0.5-1.0	6.1	1 U	0.39 J	9.3	Dark brown CLAY, some Silt and fine Sand, trace Roots and medium subround Gravel, dry.
1.0-1.5	4.7	1 U		9.3	Dark brown CLAY, little Silt, trace fine Sand, dense, dry.
1.5-2.0	2.9	1 U		9.3	Dark brown CLAY, little Silt, trace fine Sand, dense, dry.

Depth (ft)	Sample Location 5				
	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	8.3	1 U	5.4 J [0.30 J]	9.3	Brown SILT and CLAY, some coarse subround Gravel, trace Wood, wet.
0.5-1.0	7.6	1 U		9.3	Brown CLAY, trace Silt and coarse Sand and fine Gravel, dense, wet.
1.0-1.5	3.5	1 U		9.3	Brown CLAY, trace fine Sand and subangular medium Gravel, dense, dry.
1.5-2.0	5.5	1 U		9.3	Brown CLAY, trace fine Sand and subangular medium Gravel, dense, dry.

See Notes on Page 2.

Table A-7
Historical Outfall 67 Soil Logs
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

	Sample Location				
	6				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	11.7	1 U	0.2 U	9.3	Brown CLAY, little fine Sand, trace Silt and sur medium Gravel, dense, dry.
0.5-1.0	17.3	1 U		9.3	Brown CLAY, trace fine to medium angular Gravel, very dense, dry.
1.0-1.5	16.4	1 U		9.3	Brown CLAY and fine SAND, trace medium angular Gravel, dense, dry.
1.5-2.0	17.3	1 U		9.3	Brown CLAY, trace fine Sand and medium angular Gravel, dense, dry, some black staining in CLAY.

	Sample Location				
	7				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	15.1	1 U	0.4	9.3	Brown SILT, little fine Sand and Clay, trace medium Gravel, moist.
0.5-1.0	17	1 U		9.3	Dark brown SILT and CLAY, trace medium Sand, moist.
1.0-1.5	12.7	2		9.3	Brown CLAY, some Silt and fine Sand, moist.
1.5-2.0	18.1	1 U		9.3	Brown CLAY, some medium angular to subangular Gravel, trace Silt and fine Sand, moist.

	Sample Location				
	8				
Depth (ft)	PID (ppm)	XRF (mg/kg)	Lab (mg/kg)	SCO (mg/kg)	Soil Description
0.0-0.5	2.0	1 U	0.2 U	9.3	Brown SILT, some Clay and fine Sand, trace subround Gravel, dry.
0.5-1.0	2.7	1 U		9.3	Brown SILT and CLAY, some fine Sand, trace Gravel, dry.
1.0-1.5	2.6	1 U		9.3	Brown SILT and CLAY, some fine Sand, trace Gravel, dry.
1.5-2.0	2.9	1 U		9.3	Brown SILT and CLAY, trace fine Sand and Gravel, dense, moist.

Notes:
1. Thick solid line = bottom of planned excavation
2. SCO = Soil Cleanup Objective
3. mg/kg = Milligram per kilogram
4. Bolded and gray shaded values indicate the analytical sample result exceeded the soil cleanup value.

Appendix B

Laboratory Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-172821-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
7/29/2020 2:19:22 PM

John Schove, Project Manager II
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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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Glossary

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

Job ID: 480-172821-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172821-1

Comments
No additional comments.

Receipt
The samples were received on 7/24/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Client Sample ID: HO2-DITCH-01 (0.0-0.5) — Lab Sample ID: 480-172821-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	60.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-01 (0.5-1.0) — Lab Sample ID: 480-172821-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	71.5		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-01 (1.0-1.5) — Lab Sample ID: 480-172821-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	86.5		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-01 (1.5-2.0) — Lab Sample ID: 480-172821-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	88.2		0.21		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Client Sample ID: HO2-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-172821-1
Matrix: Solid
Date Collected: 07/23/20 12:20
Date Received: 07/24/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	60.3		0.20		mg/Kg		07/28/20 17:30	07/29/20 11:26	1

Client Sample ID: HO2-DITCH-01 (0.5-1.0)

Lab Sample ID: 480-172821-2
Matrix: Solid
Date Collected: 07/23/20 12:30
Date Received: 07/24/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	71.5		0.20		mg/Kg		07/28/20 17:30	07/29/20 11:30	1

Client Sample ID: HO2-DITCH-01 (1.0-1.5)

Lab Sample ID: 480-172821-3
Matrix: Solid
Date Collected: 07/23/20 12:40
Date Received: 07/24/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	86.5		0.20		mg/Kg		07/28/20 17:30	07/29/20 11:34	1

Client Sample ID: HO2-DITCH-01 (1.5-2.0)

Lab Sample ID: 480-172821-4
Matrix: Solid
Date Collected: 07/23/20 12:50
Date Received: 07/24/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	88.2		0.21		mg/Kg		07/28/20 17:30	07/29/20 11:38	1

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-542546/1-A
Matrix: Solid
Analysis Batch: 542727

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 542546

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.21		mg/Kg		07/28/20 17:30	07/29/20 11:19	1

Lab Sample ID: LCSSRM 480-542546/2-A
Matrix: Solid
Analysis Batch: 542727

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 542546

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	95.72		mg/Kg		76.6	68.4 - 114.4		

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Metals

Prep Batch: 542546

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172821-1	HO2-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-172821-2	HO2-DITCH-01 (0.5-1.0)	Total/NA	Solid	3050B	
480-172821-3	HO2-DITCH-01 (1.0-1.5)	Total/NA	Solid	3050B	
480-172821-4	HO2-DITCH-01 (1.5-2.0)	Total/NA	Solid	3050B	
MB 480-542546/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-542546/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 542727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172821-1	HO2-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	542546
480-172821-2	HO2-DITCH-01 (0.5-1.0)	Total/NA	Solid	6010C	542546
480-172821-3	HO2-DITCH-01 (1.0-1.5)	Total/NA	Solid	6010C	542546
480-172821-4	HO2-DITCH-01 (1.5-2.0)	Total/NA	Solid	6010C	542546
MB 480-542546/1-A	Method Blank	Total/NA	Solid	6010C	542546
LCSSRM 480-542546/2-A	Lab Control Sample	Total/NA	Solid	6010C	542546

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Client Sample ID: HO2-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-172821-1

Date Collected: 07/23/20 12:20
Matrix: Solid
Date Received: 07/24/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			542546	07/28/20 17:30	ADM	TAL BUF
Total/NA	Analysis	6010C		1	542727	07/29/20 11:26	LMH	TAL BUF

Client Sample ID: HO2-DITCH-01 (0.5-1.0)

Lab Sample ID: 480-172821-2

Date Collected: 07/23/20 12:30
Matrix: Solid
Date Received: 07/24/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			542546	07/28/20 17:30	ADM	TAL BUF
Total/NA	Analysis	6010C		1	542727	07/29/20 11:30	LMH	TAL BUF

Client Sample ID: HO2-DITCH-01 (1.0-1.5)

Lab Sample ID: 480-172821-3

Date Collected: 07/23/20 12:40
Matrix: Solid
Date Received: 07/24/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			542546	07/28/20 17:30	ADM	TAL BUF
Total/NA	Analysis	6010C		1	542727	07/29/20 11:34	LMH	TAL BUF

Client Sample ID: HO2-DITCH-01 (1.5-2.0)

Lab Sample ID: 480-172821-4

Date Collected: 07/23/20 12:50
Matrix: Solid
Date Received: 07/24/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			542546	07/28/20 17:30	ADM	TAL BUF
Total/NA	Analysis	6010C		1	542727	07/29/20 11:38	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-172821-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172821-1	HO2-DITCH-01 (0.0-0.5)	Solid	07/23/20 12:20	07/24/20 08:00	
480-172821-2	HO2-DITCH-01 (0.5-1.0)	Solid	07/23/20 12:30	07/24/20 08:00	
480-172821-3	HO2-DITCH-01 (1.0-1.5)	Solid	07/23/20 12:40	07/24/20 08:00	
480-172821-4	HO2-DITCH-01 (1.5-2.0)	Solid	07/23/20 12:50	07/24/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.9
Client Contact: Mark Flusche	Phone: 315-877-6210	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 9 of 19~~ 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 2 day *			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

480 172821 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
HO2-DITCH-01(0.0-0.5)	7/23/20	1220	C	Solid			X				
HO2-DITCH-01(0.5-1.0)	7/23/20	1230	C	Solid			X				
HO2-DITCH-01(1.0-1.5)	7/23/20	1240	C	Solid			X				
HO2-DITCH-01(1.5-2.0)	7/23/20	1250	C	Solid			X				
				Solid							
RLF 7.23.20				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	J. Sinay, ARCADIS	7.23.20, 17:45	~~SAA~~ SyR	Reilly Lick	7-23-20, 17:45	SyR
2	Reilly Lick	7.23.20, 1900	SyR			
3					7/24/20 0800	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-172821-1

Login Number: 172821
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	arcadis
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-172892-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
8/10/2020 5:10:11 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Glossary

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

Job ID: 480-172892-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-172892-1

Comments
No additional comments.

Receipt
The samples were received on 7/25/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

Receipt Exceptions

INSUFICENT VOLUME REVIED FOR ANALYTICAL AND PERCENT MOSITURE OFFSET. PERCENT MOISTURE REMOVED. HO2-DITCH-02 (0.0-0.5) (480-172892-1), HO2-DITCH-02 (0.5-1.0) (480-172892-2), HO2-DITCH-02 (1.0-1.5) (480-172892-3), HO2-DITCH-02 (1.5-2.0) (480-172892-4), HO2-DITCH-03 (0.0-0.5) (480-172892-5), HO2-DITCH-03(0.5-1.0) (480-172892-6), HO2-DITCH-03(1.0-1.5) (480-172892-7), HO2-DITCH-03 (1.5_2.0) (480-172892-8), HO2-DITCH-04 (0.0-0.5) (480-172892-9), HO2-DITCH-04 (0.5-1.0) (480-172892-10), HO2-DITCH-04 (1.0-1.5) (480-172892-11), HO2-DITCH-04 (1.5-2.0) (480-172892-12), HO2-DITCH-05 (0.0.-0.5) (480-172892-13), HO2-DITCH-05 (0.5-1.0) (480-172892-14), HO2-DITCH-05 (1.5-2.0) (480-172892-15), HO2-DITCH-01 (2.0-2.5) (480-172892-16) and HO2-DITCH-01 (2.5-3.0) (480-172892-17)

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-02 (0.0-0.5) — Lab Sample ID: 480-172892-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	23.1		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-02 (0.5-1.0) — Lab Sample ID: 480-172892-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	12.7		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-02 (1.0-1.5) — Lab Sample ID: 480-172892-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	16.2		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-02 (1.5-2.0) — Lab Sample ID: 480-172892-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	160		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-03 (0.0-0.5) — Lab Sample ID: 480-172892-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	52.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-03(0.5-1.0) — Lab Sample ID: 480-172892-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	44.5		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-03(1.0-1.5) — Lab Sample ID: 480-172892-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	64.1		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-03 (1.5_2.0) — Lab Sample ID: 480-172892-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	52.0		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-04 (0.0-0.5) — Lab Sample ID: 480-172892-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	123		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-04 (0.5-1.0) — Lab Sample ID: 480-172892-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	77.1		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-04 (1.0-1.5) — Lab Sample ID: 480-172892-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	124		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-04 (1.5-2.0) — Lab Sample ID: 480-172892-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	60.3		0.21		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-05 (0.0.-0.5) — Lab Sample ID: 480-172892-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	81.1		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-05 (0.5-1.0) — Lab Sample ID: 480-172892-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	83.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-05 (1.5-2.0) — Lab Sample ID: 480-172892-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	89.7		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-01 (2.0-2.5) — Lab Sample ID: 480-172892-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	61.0		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO2-DITCH-01 (2.5-3.0) — Lab Sample ID: 480-172892-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	231		0.20		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HO2-DITCH-02 (0.0-0.5)
Lab Sample ID: 480-172892-1
Date Collected: 07/23/20 13:20
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	23.1		0.20		mg/Kg		08/04/20 08:09	08/04/20 17:42	1

Client Sample ID: HO2-DITCH-02 (0.5-1.0)
Lab Sample ID: 480-172892-2
Date Collected: 07/23/20 13:30
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	12.7		0.21		mg/Kg		08/04/20 08:09	08/04/20 17:57	1

Client Sample ID: HO2-DITCH-02 (1.0-1.5)
Lab Sample ID: 480-172892-3
Date Collected: 07/23/20 13:40
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	16.2		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:01	1

Client Sample ID: HO2-DITCH-02 (1.5-2.0)
Lab Sample ID: 480-172892-4
Date Collected: 07/23/20 13:50
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	160		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:05	1

Client Sample ID: HO2-DITCH-03 (0.0-0.5)
Lab Sample ID: 480-172892-5
Date Collected: 07/23/20 14:10
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	52.3		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:09	1

Client Sample ID: HO2-DITCH-03(0.5-1.0)
Lab Sample ID: 480-172892-6
Date Collected: 07/23/20 14:20
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	44.5		0.21		mg/Kg		08/04/20 08:09	08/04/20 18:13	1

Client Sample ID: HO2-DITCH-03(1.0-1.5)
Lab Sample ID: 480-172892-7
Date Collected: 07/23/20 14:30
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	64.1		0.21		mg/Kg		08/04/20 08:09	08/04/20 18:17	1

Client Sample ID: HO2-DITCH-03 (1.5_2.0)

Lab Sample ID: 480-172892-8
Date Collected: 07/23/20 14:40
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	52.0		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:21	1

Client Sample ID: HO2-DITCH-04 (0.0-0.5)

Lab Sample ID: 480-172892-9
Date Collected: 07/24/20 09:50
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	123		0.21		mg/Kg		08/04/20 08:09	08/04/20 18:25	1

Client Sample ID: HO2-DITCH-04 (0.5-1.0)

Lab Sample ID: 480-172892-10
Date Collected: 07/24/20 10:00
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	77.1		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:29	1

Client Sample ID: HO2-DITCH-04 (1.0-1.5)

Lab Sample ID: 480-172892-11
Date Collected: 07/24/20 10:10
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	124		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:44	1

Client Sample ID: HO2-DITCH-04 (1.5-2.0)

Lab Sample ID: 480-172892-12
Date Collected: 07/24/20 10:20
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	60.3		0.21		mg/Kg		08/04/20 08:09	08/04/20 18:48	1

Client Sample ID: HO2-DITCH-05 (0.0.-0.5)

Lab Sample ID: 480-172892-13
Date Collected: 07/24/20 10:30
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	81.1		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:51	1

Client Sample ID: HO2-DITCH-05 (0.5-1.0)

Lab Sample ID: 480-172892-14
Date Collected: 07/24/20 10:45
Matrix: Solid
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	83.3		0.20		mg/Kg		08/04/20 08:09	08/04/20 18:55	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-05 (1.5-2.0)

Lab Sample ID: 480-172892-15
Matrix: Solid
Date Collected: 07/24/20 11:10
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	89.7		0.19		mg/Kg		08/04/20 08:09	08/04/20 18:59	1

Client Sample ID: HO2-DITCH-01 (2.0-2.5)

Lab Sample ID: 480-172892-16
Matrix: Solid
Date Collected: 07/24/20 09:25
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	61.0		0.20		mg/Kg		08/04/20 08:09	08/04/20 19:27	1

Client Sample ID: HO2-DITCH-01 (2.5-3.0)

Lab Sample ID: 480-172892-17
Matrix: Solid
Date Collected: 07/24/20 09:40
Date Received: 07/25/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	231		0.20		mg/Kg		08/04/20 08:09	08/04/20 19:31	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-543377/1-A
Matrix: Solid
Analysis Batch: 543714

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 543377

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.19		mg/Kg		08/04/20 08:09	08/04/20 17:12	1

Lab Sample ID: LCSSRM 480-543377/2-A
Matrix: Solid
Analysis Batch: 543714

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 543377

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	100.9		mg/Kg		80.7	68.4 - 114.4		

Metals

Prep Batch: 543377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172892-1	HO2-DITCH-02 (0.0-0.5)	Total/NA	Solid	3050B	
480-172892-2	HO2-DITCH-02 (0.5-1.0)	Total/NA	Solid	3050B	
480-172892-3	HO2-DITCH-02 (1.0-1.5)	Total/NA	Solid	3050B	
480-172892-4	HO2-DITCH-02 (1.5-2.0)	Total/NA	Solid	3050B	
480-172892-5	HO2-DITCH-03 (0.0-0.5)	Total/NA	Solid	3050B	
480-172892-6	HO2-DITCH-03(0.5-1.0)	Total/NA	Solid	3050B	
480-172892-7	HO2-DITCH-03(1.0-1.5)	Total/NA	Solid	3050B	
480-172892-8	HO2-DITCH-03 (1.5_2.0)	Total/NA	Solid	3050B	
480-172892-9	HO2-DITCH-04 (0.0-0.5)	Total/NA	Solid	3050B	
480-172892-10	HO2-DITCH-04 (0.5-1.0)	Total/NA	Solid	3050B	
480-172892-11	HO2-DITCH-04 (1.0-1.5)	Total/NA	Solid	3050B	
480-172892-12	HO2-DITCH-04 (1.5-2.0)	Total/NA	Solid	3050B	
480-172892-13	HO2-DITCH-05 (0.0.-0.5)	Total/NA	Solid	3050B	
480-172892-14	HO2-DITCH-05 (0.5-1.0)	Total/NA	Solid	3050B	
480-172892-15	HO2-DITCH-05 (1.5-2.0)	Total/NA	Solid	3050B	
480-172892-16	HO2-DITCH-01 (2.0-2.5)	Total/NA	Solid	3050B	
480-172892-17	HO2-DITCH-01 (2.5-3.0)	Total/NA	Solid	3050B	
MB 480-543377/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-543377/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 543714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-172892-1	HO2-DITCH-02 (0.0-0.5)	Total/NA	Solid	6010C	543377
480-172892-2	HO2-DITCH-02 (0.5-1.0)	Total/NA	Solid	6010C	543377
480-172892-3	HO2-DITCH-02 (1.0-1.5)	Total/NA	Solid	6010C	543377
480-172892-4	HO2-DITCH-02 (1.5-2.0)	Total/NA	Solid	6010C	543377
480-172892-5	HO2-DITCH-03 (0.0-0.5)	Total/NA	Solid	6010C	543377
480-172892-6	HO2-DITCH-03(0.5-1.0)	Total/NA	Solid	6010C	543377
480-172892-7	HO2-DITCH-03(1.0-1.5)	Total/NA	Solid	6010C	543377
480-172892-8	HO2-DITCH-03 (1.5_2.0)	Total/NA	Solid	6010C	543377
480-172892-9	HO2-DITCH-04 (0.0-0.5)	Total/NA	Solid	6010C	543377
480-172892-10	HO2-DITCH-04 (0.5-1.0)	Total/NA	Solid	6010C	543377
480-172892-11	HO2-DITCH-04 (1.0-1.5)	Total/NA	Solid	6010C	543377
480-172892-12	HO2-DITCH-04 (1.5-2.0)	Total/NA	Solid	6010C	543377
480-172892-13	HO2-DITCH-05 (0.0.-0.5)	Total/NA	Solid	6010C	543377
480-172892-14	HO2-DITCH-05 (0.5-1.0)	Total/NA	Solid	6010C	543377
480-172892-15	HO2-DITCH-05 (1.5-2.0)	Total/NA	Solid	6010C	543377
480-172892-16	HO2-DITCH-01 (2.0-2.5)	Total/NA	Solid	6010C	543377
480-172892-17	HO2-DITCH-01 (2.5-3.0)	Total/NA	Solid	6010C	543377
MB 480-543377/1-A	Method Blank	Total/NA	Solid	6010C	543377
LCSSRM 480-543377/2-A	Lab Control Sample	Total/NA	Solid	6010C	543377

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-02 (0.0-0.5)
Lab Sample ID: 480-172892-1
Date Collected: 07/23/20 13:20
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 17:42	AMH	TAL BUF

Client Sample ID: HO2-DITCH-02 (0.5-1.0)
Lab Sample ID: 480-172892-2
Date Collected: 07/23/20 13:30
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 17:57	AMH	TAL BUF

Client Sample ID: HO2-DITCH-02 (1.0-1.5)
Lab Sample ID: 480-172892-3
Date Collected: 07/23/20 13:40
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:01	AMH	TAL BUF

Client Sample ID: HO2-DITCH-02 (1.5-2.0)
Lab Sample ID: 480-172892-4
Date Collected: 07/23/20 13:50
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:05	AMH	TAL BUF

Client Sample ID: HO2-DITCH-03 (0.0-0.5)
Lab Sample ID: 480-172892-5
Date Collected: 07/23/20 14:10
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:09	AMH	TAL BUF

Client Sample ID: HO2-DITCH-03(0.5-1.0)
Lab Sample ID: 480-172892-6
Date Collected: 07/23/20 14:20
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:13	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-03(1.0-1.5)
Lab Sample ID: 480-172892-7
Date Collected: 07/23/20 14:30
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:17	AMH	TAL BUF

Client Sample ID: HO2-DITCH-03 (1.5_2.0)
Lab Sample ID: 480-172892-8
Date Collected: 07/23/20 14:40
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:21	AMH	TAL BUF

Client Sample ID: HO2-DITCH-04 (0.0-0.5)
Lab Sample ID: 480-172892-9
Date Collected: 07/24/20 09:50
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:25	AMH	TAL BUF

Client Sample ID: HO2-DITCH-04 (0.5-1.0)
Lab Sample ID: 480-172892-10
Date Collected: 07/24/20 10:00
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:29	AMH	TAL BUF

Client Sample ID: HO2-DITCH-04 (1.0-1.5)
Lab Sample ID: 480-172892-11
Date Collected: 07/24/20 10:10
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:44	AMH	TAL BUF

Client Sample ID: HO2-DITCH-04 (1.5-2.0)
Lab Sample ID: 480-172892-12
Date Collected: 07/24/20 10:20
Matrix: Solid
Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:48	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Client Sample ID: HO2-DITCH-05 (0.0.-0.5)

Lab Sample ID: 480-172892-13

Date Collected: 07/24/20 10:30

Matrix: Solid

Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:51	AMH	TAL BUF

Client Sample ID: HO2-DITCH-05 (0.5-1.0)

Lab Sample ID: 480-172892-14

Date Collected: 07/24/20 10:45

Matrix: Solid

Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:55	AMH	TAL BUF

Client Sample ID: HO2-DITCH-05 (1.5-2.0)

Lab Sample ID: 480-172892-15

Date Collected: 07/24/20 11:10

Matrix: Solid

Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 18:59	AMH	TAL BUF

Client Sample ID: HO2-DITCH-01 (2.0-2.5)

Lab Sample ID: 480-172892-16

Date Collected: 07/24/20 09:25

Matrix: Solid

Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 19:27	AMH	TAL BUF

Client Sample ID: HO2-DITCH-01 (2.5-3.0)

Lab Sample ID: 480-172892-17

Date Collected: 07/24/20 09:40

Matrix: Solid

Date Received: 07/25/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			543377	08/04/20 08:09	ADM	TAL BUF
Total/NA	Analysis	6010C		1	543714	08/04/20 19:31	AMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-172892-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172892-1	HO2-DITCH-02 (0.0-0.5)	Solid	07/23/20 13:20	07/25/20 08:00	
480-172892-2	HO2-DITCH-02 (0.5-1.0)	Solid	07/23/20 13:30	07/25/20 08:00	
480-172892-3	HO2-DITCH-02 (1.0-1.5)	Solid	07/23/20 13:40	07/25/20 08:00	
480-172892-4	HO2-DITCH-02 (1.5-2.0)	Solid	07/23/20 13:50	07/25/20 08:00	
480-172892-5	HO2-DITCH-03 (0.0-0.5)	Solid	07/23/20 14:10	07/25/20 08:00	
480-172892-6	HO2-DITCH-03(0.5-1.0)	Solid	07/23/20 14:20	07/25/20 08:00	
480-172892-7	HO2-DITCH-03(1.0-1.5)	Solid	07/23/20 14:30	07/25/20 08:00	
480-172892-8	HO2-DITCH-03 (1.5_2.0)	Solid	07/23/20 14:40	07/25/20 08:00	
480-172892-9	HO2-DITCH-04 (0.0-0.5)	Solid	07/24/20 09:50	07/25/20 08:00	
480-172892-10	HO2-DITCH-04 (0.5-1.0)	Solid	07/24/20 10:00	07/25/20 08:00	
480-172892-11	HO2-DITCH-04 (1.0-1.5)	Solid	07/24/20 10:10	07/25/20 08:00	
480-172892-12	HO2-DITCH-04 (1.5-2.0)	Solid	07/24/20 10:20	07/25/20 08:00	
480-172892-13	HO2-DITCH-05 (0.0.-0.5)	Solid	07/24/20 10:30	07/25/20 08:00	
480-172892-14	HO2-DITCH-05 (0.5-1.0)	Solid	07/24/20 10:45	07/25/20 08:00	
480-172892-15	HO2-DITCH-05 (1.5-2.0)	Solid	07/24/20 11:10	07/25/20 08:00	
480-172892-16	HO2-DITCH-01 (2.0-2.5)	Solid	07/24/20 09:25	07/25/20 08:00	
480-172892-17	HO2-DITCH-01 (2.5-3.0)	Solid	07/24/20 09:40	07/25/20 08:00	

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

Chain of Custody Record

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Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.10
Client Contact: Mark Flusche	Phone: 315 877 6720	E-Mail: John.Schove@Eurofinset.com		Page: 1 of 2 / Page 10 of 19
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Former Philips Display Components Facility	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2

480-172892 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H02-DITCH-02 (0.0-0.5)	7/23/20	1320	C	Solid			X				
H02-DITCH-02 (0.5-1.0)	7/23/20	1330	C	Solid			X				
H02-DITCH-02 (1.0-1.5)	7/23/20	1340	C	Solid			X				
H02-DITCH-02 (1.5-2.0)	7/23/20	1350	C	Solid			X				
H02-DITCH-03 (0.0-0.5)	7/23/20	1410	C	Solid			X				
H02-DITCH-03 (0.5-1.0)	7/23/20	1420	C	Solid			X				
H02-DITCH-03 (1.0-1.5)	7/23/20	1430	C	Solid			X				
H02-DITCH-03 (1.5-2.0)	7/23/20	1440	C	Solid			X				
H02-DITCH-04 (0.0-0.5)	7/24/20	0950	C	Solid			X				
H02-DITCH-04 (0.5-1.0)	7/24/20	1000	C	Solid			X				
H02-DITCH-04 (1.0-1.5)	7/24/20	1010	C	Solid			X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	7/24/20 / 1710	Arcadis	R.English	7-24-20, 17:10	Syr
2	R.English	7-24-20, 1900	Syr	C.Walker	7/25/20 0800	TAB
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.8

Ver: 01/16/2019

8/10/2020

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

Chain of Custody Record

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Syracuse #225

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.14
Client Contact: Mark Flusche	Phone: 315 877 6720	E-Mail: John.Schove@Eurofinset.com		Page: 2 of 2 / Page ~~14 of 19~~
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Former Phillips Display Components Facility	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H02-DITCH-04 (1.5-2.0)	7/24/20	1020	C	Solid			X				
H02-DITCH-05 (0.0-0.5)	7/24/20	1030	C	Solid			X				
H02-DITCH-05 (0.5-1.0)	7/24/20	1045	C	Solid			X				
~~H02-DITCH-05 (1.0-1.5)~~	~~7/24/20~~	~~1055~~	~~C~~	Solid			X				
H02-DITCH-05 (1.5-2.0)	7/24/20	1110	C	Solid			X				
H02-DITCH-01 (2.0-2.5)	7/24/20	0925	C	Solid			X				
H02-DITCH-01 (2.5-3.0)	7/24/20	0940	C	Solid			X				
				Solid							
RE 7.24.20				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Josh Sinay	7/24/20 / 1710	Arcadis	RENGLISH	7.24.20, 1710	Eyn
RENGLISH	7.24.20, 1900	Eyn			

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-172892-1

Login Number: 172892
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173096-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
8/14/2020 3:41:24 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Job ID: 480-173096-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173096-1

Comments
No additional comments.

Receipt
The samples were received on 7/30/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.5º C and 4.2º C.

Receipt Exceptions

Insufficient volume was received to perform dry weight correct for the following samples: H02-DITCH-02 (3.0-3.5) (480-173096-1), H02-DITCH-02 (3.5-4.0) (480-173096-2), H02-DITCH-03 (2.0-2.5) (480-173096-3), H02-DITCH-04 (2.0-2.5) (480-173096-4), H02-DITCH-05 (2.5-3.0) (480-173096-5), H02-DITCH-05 (1.0-1.5) (480-173096-6), H02-DITCH-05 (3.0-3.5) (480-173096-7), H02-DITCH-06 (2.0-2.5) (480-173096-8), H02-DITCH-06 (2.5-3.0) (480-173096-9), H02-DITCH-06 (0.5-1.0) (480-173096-10), H02-DITCH-06 (0.5-1.0) (480-173096-11), H02-DITCH-06 (0.5-1.0) (480-173096-11[MS]), H02-DITCH-06 (0.5-1.0) (480-173096-11[MSD]), H02-DITCH-06 (1.0-1.5) (480-173096-12), H04-DITCH-03 (1.5-2.0) (480-173096-13), H04-DITCH-03 (1.0-1.5) (480-173096-14), H07-DITCH-01 (0.0-0.5) (480-173096-15), H07-DITCH-01 (0.5-1.0) (480-173096-16), H07-DITCH-02 (0.0-0.5) (480-173096-17), H07-DITCH-02 (0.5-1.0) (480-173096-18), FD-072420 (480-173096-19), H02-DITCH-02 (2.0-2.5) (480-173096-20), H02-DITCH-02 (2.5-3.0) (480-173096-21), H02-DITCH-05 (2.0-2.5) (480-173096-22), H02-DITCH-06 (1.5-2.0) (480-173096-23), H02-DITCH-06 (0.0-0.5) (480-173096-24), H04-DITCH-01 (0.0-0.5) (480-173096-25), H04-DITCH-01 (0.5-1.0) (480-173096-26), H04-DITCH-02 (0.0-0.5) (480-173096-27), H04-DITCH-02 (0.5-1.0) (480-173096-28), H04-DITCH-03 (0.0-0.5) (480-173096-29), H04-DITCH-03 (0.5-1.0) (480-173096-30), H04-DITCH-04 (0.0-0.5) (480-173096-31), H04-DITCH-04 (0.5-1.0) (480-173096-32), H04-DITCH-05 (0.0-0.5) (480-173096-33), H04-DITCH-05 (0.5-1.0) (480-173096-34), H04-DITCH-06 (0.0-0.5) (480-173096-35), H04-DITCH-06 (0.5-1.0) (480-173096-36), H07-DITCH-01 (1.0-1.5) (480-173096-37), H07-DITCH-01 (1.5-2.0) (480-173096-38), H07-DITCH-02 (1.0-1.5) (480-173096-39) and H07-DITCH-02 (1.5-2.0) (480-173096-40)

Metals
Method 6010C: The Serial Dilution and Post Spike (480-173096-A-11-A PDS) and (480-173096-A-11-A SD ^5) exceeded the quality control limits for Total Cadmium. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: Due to sample matrix effect on the internal standard (Yttrium), a dilution was required for the following sample: H07-DITCH-01 (0.0-0.5) (480-173096-15).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H02-DITCH-02 (3.0-3.5) — Lab Sample ID: 480-173096-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1260		0.96		mg/Kg	5		6010C	Total/NA

Client Sample ID: H02-DITCH-02 (3.5-4.0) — Lab Sample ID: 480-173096-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1540		0.96		mg/Kg	5		6010C	Total/NA

Client Sample ID: H02-DITCH-03 (2.0-2.5) — Lab Sample ID: 480-173096-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	103		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-04 (2.0-2.5) — Lab Sample ID: 480-173096-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	44.7		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-05 (2.5-3.0) — Lab Sample ID: 480-173096-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	33.9		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-05 (1.0-1.5) — Lab Sample ID: 480-173096-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	80.2		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-05 (3.0-3.5) — Lab Sample ID: 480-173096-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	9.3		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-06 (2.0-2.5) — Lab Sample ID: 480-173096-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	141		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-06 (2.5-3.0) — Lab Sample ID: 480-173096-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	72.1		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-06 (0.5-1.0) — Lab Sample ID: 480-173096-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	166		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H02-DITCH-06 (1.0-1.5) — Lab Sample ID: 480-173096-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	170		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H04-DITCH-03 (1.5-2.0) — Lab Sample ID: 480-173096-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	10.8		0.19		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H04-DITCH-03 (1.0-1.5) — Lab Sample ID: 480-173096-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	52.3		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H07-DITCH-01 (0.0-0.5) — Lab Sample ID: 480-173096-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	61.6		1.0		mg/Kg	5		6010C	Total/NA

Client Sample ID: H07-DITCH-01 (0.5-1.0) — Lab Sample ID: 480-173096-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	5.0		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H07-DITCH-02 (0.0-0.5) — Lab Sample ID: 480-173096-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	11.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H07-DITCH-02 (0.5-1.0) — Lab Sample ID: 480-173096-18

No Detections.

Client Sample ID: FD-072420 — Lab Sample ID: 480-173096-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	143		0.21		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: H02-DITCH-02 (3.0-3.5)
Lab Sample ID: 480-173096-1
Date Collected: 07/27/20 13:20
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1260		0.96		mg/Kg		08/12/20 08:35	08/13/20 15:40	5

Client Sample ID: H02-DITCH-02 (3.5-4.0)
Lab Sample ID: 480-173096-2
Date Collected: 07/27/20 13:30
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1540		0.96		mg/Kg		08/12/20 08:35	08/13/20 15:44	5

Client Sample ID: H02-DITCH-03 (2.0-2.5)
Lab Sample ID: 480-173096-3
Date Collected: 07/24/20 14:15
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	103		0.19		mg/Kg		08/12/20 08:35	08/13/20 14:01	1

Client Sample ID: H02-DITCH-04 (2.0-2.5)
Lab Sample ID: 480-173096-4
Date Collected: 07/27/20 09:15
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	44.7		0.20		mg/Kg		08/12/20 08:35	08/13/20 14:05	1

Client Sample ID: H02-DITCH-05 (2.5-3.0)
Lab Sample ID: 480-173096-5
Date Collected: 07/27/20 09:45
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	33.9		0.20		mg/Kg		08/12/20 08:35	08/13/20 14:09	1

Client Sample ID: H02-DITCH-05 (1.0-1.5)
Lab Sample ID: 480-173096-6
Date Collected: 07/24/20 10:55
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	80.2		0.19		mg/Kg		08/12/20 08:35	08/13/20 14:13	1

Client Sample ID: H02-DITCH-05 (3.0-3.5)
Lab Sample ID: 480-173096-7
Date Collected: 07/28/20 12:10
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	9.3		0.21		mg/Kg		08/12/20 08:35	08/13/20 14:17	1

Client Sample ID: H02-DITCH-06 (2.0-2.5)

Lab Sample ID: 480-173096-8
Date Collected: 07/27/20 14:00
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	141		0.21		mg/Kg		08/12/20 08:35	08/13/20 14:32	1

Client Sample ID: H02-DITCH-06 (2.5-3.0)

Lab Sample ID: 480-173096-9
Date Collected: 07/27/20 14:10
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	72.1		0.19		mg/Kg		08/12/20 08:35	08/13/20 14:36	1

Client Sample ID: H02-DITCH-06 (0.5-1.0)

Lab Sample ID: 480-173096-11
Date Collected: 07/24/20 14:35
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	166		0.20		mg/Kg		08/12/20 08:35	08/13/20 14:39	1

Client Sample ID: H02-DITCH-06 (1.0-1.5)

Lab Sample ID: 480-173096-12
Date Collected: 07/24/20 14:40
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	170		0.20		mg/Kg		08/12/20 08:35	08/13/20 14:58	1

Client Sample ID: H04-DITCH-03 (1.5-2.0)

Lab Sample ID: 480-173096-13
Date Collected: 07/28/20 14:05
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	10.8		0.19		mg/Kg		08/12/20 08:35	08/13/20 15:02	1

Client Sample ID: H04-DITCH-03 (1.0-1.5)

Lab Sample ID: 480-173096-14
Date Collected: 07/28/20 14:00
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	52.3		0.19		mg/Kg		08/12/20 08:35	08/13/20 15:17	1

Client Sample ID: H07-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-173096-15
Date Collected: 07/27/20 11:15
Matrix: Solid
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	61.6		1.0		mg/Kg		08/12/20 08:35	08/14/20 11:01	5

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H07-DITCH-01 (0.5-1.0)

Lab Sample ID: 480-173096-16
Matrix: Solid
Date Collected: 07/27/20 11:25
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.0		0.20		mg/Kg		08/12/20 08:35	08/13/20 15:25	1

Client Sample ID: H07-DITCH-02 (0.0-0.5)

Lab Sample ID: 480-173096-17
Matrix: Solid
Date Collected: 07/28/20 10:20
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	11.3		0.20		mg/Kg		08/12/20 08:35	08/13/20 15:28	1

Client Sample ID: H07-DITCH-02 (0.5-1.0)

Lab Sample ID: 480-173096-18
Matrix: Solid
Date Collected: 07/28/20 10:30
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/12/20 08:35	08/13/20 15:32	1

Client Sample ID: FD-072420

Lab Sample ID: 480-173096-19
Matrix: Solid
Date Collected: 07/24/20 00:00
Date Received: 07/30/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	143		0.21		mg/Kg		08/12/20 08:35	08/13/20 15:36	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-544602/1-A
Matrix: Solid
Analysis Batch: 545087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 544602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/12/20 08:35	08/13/20 13:46	1

Lab Sample ID: LCSSRM 480-544602/2-A
Matrix: Solid
Analysis Batch: 545087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 544602

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	98.85		mg/Kg		79.1	68.4 - 114.4		

Lab Sample ID: 480-173096-11 MS
Matrix: Solid
Analysis Batch: 545087

Client Sample ID: H02-DITCH-06 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 544602

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	166		40.7	186.1	4	mg/Kg		49	75 - 125		

Lab Sample ID: 480-173096-11 MSD
Matrix: Solid
Analysis Batch: 545087

Client Sample ID: H02-DITCH-06 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 544602

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	166		41.3	195.0	4	mg/Kg		70	75 - 125	5	20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Metals

Prep Batch: 544602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173096-1	H02-DITCH-02 (3.0-3.5)	Total/NA	Solid	3050B	
480-173096-2	H02-DITCH-02 (3.5-4.0)	Total/NA	Solid	3050B	
480-173096-3	H02-DITCH-03 (2.0-2.5)	Total/NA	Solid	3050B	
480-173096-4	H02-DITCH-04 (2.0-2.5)	Total/NA	Solid	3050B	
480-173096-5	H02-DITCH-05 (2.5-3.0)	Total/NA	Solid	3050B	
480-173096-6	H02-DITCH-05 (1.0-1.5)	Total/NA	Solid	3050B	
480-173096-7	H02-DITCH-05 (3.0-3.5)	Total/NA	Solid	3050B	
480-173096-8	H02-DITCH-06 (2.0-2.5)	Total/NA	Solid	3050B	
480-173096-9	H02-DITCH-06 (2.5-3.0)	Total/NA	Solid	3050B	
480-173096-11	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	3050B	
480-173096-12	H02-DITCH-06 (1.0-1.5)	Total/NA	Solid	3050B	
480-173096-13	H04-DITCH-03 (1.5-2.0)	Total/NA	Solid	3050B	
480-173096-14	H04-DITCH-03 (1.0-1.5)	Total/NA	Solid	3050B	
480-173096-15	H07-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-173096-16	H07-DITCH-01 (0.5-1.0)	Total/NA	Solid	3050B	
480-173096-17	H07-DITCH-02 (0.0-0.5)	Total/NA	Solid	3050B	
480-173096-18	H07-DITCH-02 (0.5-1.0)	Total/NA	Solid	3050B	
480-173096-19	FD-072420	Total/NA	Solid	3050B	
MB 480-544602/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-544602/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-173096-11 MS	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	3050B	
480-173096-11 MSD	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	3050B	

Analysis Batch: 545087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173096-1	H02-DITCH-02 (3.0-3.5)	Total/NA	Solid	6010C	544602
480-173096-2	H02-DITCH-02 (3.5-4.0)	Total/NA	Solid	6010C	544602
480-173096-3	H02-DITCH-03 (2.0-2.5)	Total/NA	Solid	6010C	544602
480-173096-4	H02-DITCH-04 (2.0-2.5)	Total/NA	Solid	6010C	544602
480-173096-5	H02-DITCH-05 (2.5-3.0)	Total/NA	Solid	6010C	544602
480-173096-6	H02-DITCH-05 (1.0-1.5)	Total/NA	Solid	6010C	544602
480-173096-7	H02-DITCH-05 (3.0-3.5)	Total/NA	Solid	6010C	544602
480-173096-8	H02-DITCH-06 (2.0-2.5)	Total/NA	Solid	6010C	544602
480-173096-9	H02-DITCH-06 (2.5-3.0)	Total/NA	Solid	6010C	544602
480-173096-11	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	6010C	544602
480-173096-12	H02-DITCH-06 (1.0-1.5)	Total/NA	Solid	6010C	544602
480-173096-13	H04-DITCH-03 (1.5-2.0)	Total/NA	Solid	6010C	544602
480-173096-14	H04-DITCH-03 (1.0-1.5)	Total/NA	Solid	6010C	544602
480-173096-16	H07-DITCH-01 (0.5-1.0)	Total/NA	Solid	6010C	544602
480-173096-17	H07-DITCH-02 (0.0-0.5)	Total/NA	Solid	6010C	544602
480-173096-18	H07-DITCH-02 (0.5-1.0)	Total/NA	Solid	6010C	544602
480-173096-19	FD-072420	Total/NA	Solid	6010C	544602
MB 480-544602/1-A	Method Blank	Total/NA	Solid	6010C	544602
LCSSRM 480-544602/2-A	Lab Control Sample	Total/NA	Solid	6010C	544602
480-173096-11 MS	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	6010C	544602
480-173096-11 MSD	H02-DITCH-06 (0.5-1.0)	Total/NA	Solid	6010C	544602

Analysis Batch: 545234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173096-15	H07-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	544602

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H02-DITCH-02 (3.0-3.5)
Lab Sample ID: 480-173096-1
Date Collected: 07/27/20 13:20
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545087	08/13/20 15:40	AMH	TAL BUF

Client Sample ID: H02-DITCH-02 (3.5-4.0)
Lab Sample ID: 480-173096-2
Date Collected: 07/27/20 13:30
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545087	08/13/20 15:44	AMH	TAL BUF

Client Sample ID: H02-DITCH-03 (2.0-2.5)
Lab Sample ID: 480-173096-3
Date Collected: 07/24/20 14:15
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:01	AMH	TAL BUF

Client Sample ID: H02-DITCH-04 (2.0-2.5)
Lab Sample ID: 480-173096-4
Date Collected: 07/27/20 09:15
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:05	AMH	TAL BUF

Client Sample ID: H02-DITCH-05 (2.5-3.0)
Lab Sample ID: 480-173096-5
Date Collected: 07/27/20 09:45
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:09	AMH	TAL BUF

Client Sample ID: H02-DITCH-05 (1.0-1.5)
Lab Sample ID: 480-173096-6
Date Collected: 07/24/20 10:55
Matrix: Solid
Date Received: 07/30/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:13	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H02-DITCH-05 (3.0-3.5)
Date Collected: 07/28/20 12:10
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:17	AMH	TAL BUF

Client Sample ID: H02-DITCH-06 (2.0-2.5)
Date Collected: 07/27/20 14:00
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:32	AMH	TAL BUF

Client Sample ID: H02-DITCH-06 (2.5-3.0)
Date Collected: 07/27/20 14:10
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:36	AMH	TAL BUF

Client Sample ID: H02-DITCH-06 (0.5-1.0)
Date Collected: 07/24/20 14:35
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:39	AMH	TAL BUF

Client Sample ID: H02-DITCH-06 (1.0-1.5)
Date Collected: 07/24/20 14:40
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 14:58	AMH	TAL BUF

Client Sample ID: H04-DITCH-03 (1.5-2.0)
Date Collected: 07/28/20 14:05
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:02	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Client Sample ID: H04-DITCH-03 (1.0-1.5)
Date Collected: 07/28/20 14:00
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:17	AMH	TAL BUF

Client Sample ID: H07-DITCH-01 (0.0-0.5)
Date Collected: 07/27/20 11:15
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545234	08/14/20 11:01	AMH	TAL BUF

Client Sample ID: H07-DITCH-01 (0.5-1.0)
Date Collected: 07/27/20 11:25
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:25	AMH	TAL BUF

Client Sample ID: H07-DITCH-02 (0.0-0.5)
Date Collected: 07/28/20 10:20
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:28	AMH	TAL BUF

Client Sample ID: H07-DITCH-02 (0.5-1.0)
Date Collected: 07/28/20 10:30
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:32	AMH	TAL BUF

Client Sample ID: FD-072420
Date Collected: 07/24/20 00:00
Date Received: 07/30/20 08:00

Lab Sample ID: 480-173096-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			544602	08/12/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545087	08/13/20 15:36	AMH	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173096-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173096-1	H02-DITCH-02 (3.0-3.5)	Solid	07/27/20 13:20	07/30/20 08:00	
480-173096-2	H02-DITCH-02 (3.5-4.0)	Solid	07/27/20 13:30	07/30/20 08:00	
480-173096-3	H02-DITCH-03 (2.0-2.5)	Solid	07/24/20 14:15	07/30/20 08:00	
480-173096-4	H02-DITCH-04 (2.0-2.5)	Solid	07/27/20 09:15	07/30/20 08:00	
480-173096-5	H02-DITCH-05 (2.5-3.0)	Solid	07/27/20 09:45	07/30/20 08:00	
480-173096-6	H02-DITCH-05 (1.0-1.5)	Solid	07/24/20 10:55	07/30/20 08:00	
480-173096-7	H02-DITCH-05 (3.0-3.5)	Solid	07/28/20 12:10	07/30/20 08:00	
480-173096-8	H02-DITCH-06 (2.0-2.5)	Solid	07/27/20 14:00	07/30/20 08:00	
480-173096-9	H02-DITCH-06 (2.5-3.0)	Solid	07/27/20 14:10	07/30/20 08:00	
480-173096-11	H02-DITCH-06 (0.5-1.0)	Solid	07/24/20 14:35	07/30/20 08:00	
480-173096-12	H02-DITCH-06 (1.0-1.5)	Solid	07/24/20 14:40	07/30/20 08:00	
480-173096-13	H04-DITCH-03 (1.5-2.0)	Solid	07/28/20 14:05	07/30/20 08:00	
480-173096-14	H04-DITCH-03 (1.0-1.5)	Solid	07/28/20 14:00	07/30/20 08:00	
480-173096-15	H07-DITCH-01 (0.0-0.5)	Solid	07/27/20 11:15	07/30/20 08:00	
480-173096-16	H07-DITCH-01 (0.5-1.0)	Solid	07/27/20 11:25	07/30/20 08:00	
480-173096-17	H07-DITCH-02 (0.0-0.5)	Solid	07/28/20 10:20	07/30/20 08:00	
480-173096-18	H07-DITCH-02 (0.5-1.0)	Solid	07/28/20 10:30	07/30/20 08:00	
480-173096-19	FD-072420	Solid	07/24/20 00:00	07/30/20 08:00	

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

Chain of Custody Record

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Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.7
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~7 of 10~~ 1 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Analysis Requested

480-173096 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Acid, E - 3O4, F - H, G - hlor, H - rbic Acid, I - ater, J - A, K - Hexane, L - None, M - AsNaO2, N - Na2O4S, O - Na2SO3, P - Na2S2O3, Q - H2SO4, R - TSP Dodecahydrate, S - Acetone, T - MCAA, U - pH 4-5, V - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of con	Special Instructions/Note:
			Preservation Code:				N	N	N		
H02-DITCH-02(3.0-3.5)	7/27/20	1320	C	Solid			X				
H02-DITCH-02(3.5-4.0)	7/27/20	1330	C	Solid			X				
H02-DITCH-03(2.0-2.5)	7/24/20	1415	C	Solid			X				
H02-DITCH-04(2.0-2.5)	7/27/20	0915	C	Solid			X				
H02-DITCH-05(2.5-3.0)	7/27/20	0945	C	Solid			X				
H02-DITCH-05(1.0-1.5)	7/24/20	1055	C	Solid			X				
H02-DITCH-05(3.0-3.5)	7/28/20	1210	C	Solid			X				
H02-DITCH-06(2.0-2.5)	7/27/20	1400	C	Solid			X				
H02-DITCH-06(2.5-3.0)	7/27/20	1410	C	Solid			X				
H02-DITCH-06(0.5-1.0)	7/24/20	1435	C	Solid			X				
H02-DITCH-06(0.5-1.0)-MS/MSD	7/24/20	1435		Solid		X	X				

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	7/29/2020 1730	Arcadis	RENGLISH	7-29-20, 17:30	Syr
2	RENGLISH	7-29-20, 1900	Syr			
3				EKG	7/30/20 0800	THO

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.5 4.2 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.8
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~3 of 19~~ 2 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H02-DITCH-06(1.0-1.5)	7/24/20	1440	C	Solid			X				
H04-DITCH-03(1.5-2.0)	7/28/20	1405	C	Solid			X				
H04-DITCH-03(1.0-1.5)	7/28/20	1400	C	Solid			X				
H07-DITCH-01(0.0-0.5)	7/27/20	1115	C	Solid			X				
H07-DITCH-01(0.5-1.0)	7/27/20	1125	C	Solid			X				
H07-DITCH-02(0.0-0.5)	7/28/20	1020	C	Solid			X				
H07-DITCH-02(0.5-1.0)	7/28/20	1030	C	Solid			X				
FD-072420	7/24/20	—	C	Solid			X				
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	7/29/20 1730	Arcadis	RENglish	7.29.20, 1730	Eyn
2	RENglish	7.29.20, 1900	Eyn			
3					7/30/20 0800	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5 4.2 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.3
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~3 of 19~~ 3 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H02-DITCH-02 (2.0-2.5)	7/24/20	1330	C	Solid			X				HOLD
H02-DITCH-02 (2.5-3.0)	7/24/20	1345	C	Solid			X				HOLD
H02-DITCH-05 (2.0-2.5)	7/27/20	0930	C	Solid			X				HOLD
H02-DITCH-06 (1.5-2.0)	7/24/20	1445	C	Solid			X				HOLD
H02-DITCH-06 (0.0-0.5)	7/24/20	1425	C	Solid			X				HOLD
H04-DITCH-01 (0.0-0.5)	7/28/20	1300	C	Solid			X				HOLD
H04-DITCH-01 (0.5-1.0)	7/28/20	1310	C	Solid			X				HOLD
H04-DITCH-02 (0.0-0.5)	7/28/20	1320	C	Solid			X				HOLD
H04-DITCH-02 (0.5-1.0)	7/28/20	1325	C	Solid			X				HOLD
H04-DITCH-03 (0.0-0.5)	7/28/20	1350	C	Solid			X				HOLD
H04-DITCH-03 (0.5-1.0)	7/28/20	1355	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	7/29/20 1730	Arcadis	RENglish	7.29.20, 1730	Eyn
2	RENglish	7.29.20, 1900	Eyn			
3					7/30/20 0800	

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5 4.2 #1

Ver: 01/16/2019

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

Chain of Custody Record

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Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.4
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: Page 4 ~~of 10~~ 4 of 4
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H04-DITCH-04 (0.0-0.5)	7/29/20	0910	C	Solid			X				HOLD
H04-DITCH-04 (0.5-1.0)	7/29/20	0915	C	Solid			X				HOLD
H04-DITCH-05 (0.0-0.5)	7/29/20	0850	C	Solid			X				HOLD
H04-DITCH-05 (0.5-1.0)	7/29/20	0855	C	Solid			X				HOLD
H04-DITCH-06 (0.0-0.5)	7/29/20	1105	C	Solid			X				HOLD
H04-DITCH-06 (0.5-1.0)	7/29/20	1110	C	Solid			X				HOLD
H07-DITCH-01 (1.0-1.5)	7/28/20	0945	C	Solid			X				HOLD
H07-DITCH-01 (1.5-2.0)	7/28/20	1000	C	Solid			X				HOLD
H07-DITCH-02 (1.0-1.5)	7/28/20	1040	C	Solid			X				HOLD
H07-DITCH-02 (1.5-2.0)	7/28/20	1050	C	Solid			X				HOLD
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	7/29/20 1730	Arcadis	R English	7.29.20, 1730	Eyr
2	R English	7.29.20, 1800	Eyr	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7/30/20 0800	Company TMB

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.5 4.2 #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173096-1

Login Number: 173096
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173287-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
8/18/2020 5:40:10 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-173287-1
Project/Site: GTEOSI - Seneca Falls

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-173287-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173287-1

Comments
No additional comments.

Receipt
The samples were received on 8/4/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

Receipt Exceptions

Insufficent volume received for analytical and percent moisture offset. Percent Mpisture was removed: H67-DITCH-03 (0.5 -1.0) (480-173287-1), H67-DITCH-03 (0.0 - 0.5) (480-173287-2), H06-DITCH-04 (0.0 - 0.5) (480-173287-3), H06-DITCH-03 (0.0 - 0.5) (480-173287-4), H06-DITCH-04 (0.5 - 1.0) (480-173287-5), H06-DITCH-03 (0.5 - 1.0) (480-173287-6), H06-DITCH-02 (0.0 - 0.5) (480-173287-7), H06-DITCH-02 (0.0 - 0.5) MS (480-173287-7[MS]), H06-DITCH-02 (0.0 - 0.5) MSD (480-173287-7[MSD]), H06-DITCH-02 (0.5 - 1.0) (480-173287-8), H05-DITCH-01 (1.5 - 2.0) (480-173287-9), H05-DITCH-01 (1.5 - 2.0) MS (480-173287-9[MS]), H05-DITCH-01 (1.5 - 2.0) MSD (480-173287-9[MSD]), H04-DITCH-01 (2.5 - 3.0) (480-173287-10), H04-DITCH-01 (2.5 - 3.0) MS (480-173287-10[MS]), H04-DITCH-01 (2.5 - 3.0) MSD (480-173287-10[MSD]), H05-DITCH-03 (1.5 - 2.0) (480-173287-11), H03-DITCH-01 (1.0 - 1.5) (480-173287-12), H03-DITCH-01 (1.0 - 1.5) MS (480-173287-12[MS]), H03-DITCH-01 (1.0 - 1.5) MSD (480-173287-12[MSD]), H03-DITCH-01 (1.5 - 2.0) (480-173287-13), H04-DITCH-01 (2.0 - 2.5) (480-173287-14), FD-073020 (480-173287-15), FD-073020 - 2 (480-173287-16), FD-073120 - 1 (480-173287-17) and FD-080320 - 2 (480-173287-18).

Metals
Method 6010C: Due to sample matrix effect on the internal standard (Yttrium), a dilution was required for the following sample: H06-DITCH-04 (0.0 - 0.5) (480-173287-3).

Method 6010C: The Serial Dilution (480-173287-A-7-A SD ^5) in batch 480-545520, exhibited results outside the quality control limits for Total Cadmium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Client Sample ID: H67-DITCH-03 (0.5 -1.0) — Lab Sample ID: 480-173287-1

No Detections.

Client Sample ID: H67-DITCH-03 (0.0 - 0.5) — Lab Sample ID: 480-173287-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	46.9		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-04 (0.0 - 0.5) — Lab Sample ID: 480-173287-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	53.4		1.0		mg/Kg	5		6010C	Total/NA

Client Sample ID: H06-DITCH-03 (0.0 - 0.5) — Lab Sample ID: 480-173287-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	46.1		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-04 (0.5 - 1.0) — Lab Sample ID: 480-173287-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-03 (0.5 - 1.0) — Lab Sample ID: 480-173287-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	5.7		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-02 (0.0 - 0.5) — Lab Sample ID: 480-173287-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	34.9		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-02 (0.5 - 1.0) — Lab Sample ID: 480-173287-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.86		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H05-DITCH-01 (1.5 - 2.0) — Lab Sample ID: 480-173287-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	59.7	F1	0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H04-DITCH-01 (2.5 - 3.0) — Lab Sample ID: 480-173287-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	11.0	F1	0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H05-DITCH-03 (1.5 - 2.0) — Lab Sample ID: 480-173287-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	21.3		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H03-DITCH-01 (1.0 - 1.5) — Lab Sample ID: 480-173287-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	39.6	F1	0.20		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Client Sample ID: H03-DITCH-01 (1.5 - 2.0) — Lab Sample ID: 480-173287-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	22.2		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H04-DITCH-01 (2.0 - 2.5) — Lab Sample ID: 480-173287-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	57.5		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-073020 — Lab Sample ID: 480-173287-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	19.5		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-073020 - 2 — Lab Sample ID: 480-173287-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	30.4		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-073120 - 1 — Lab Sample ID: 480-173287-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	20.5		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-080320 - 2 — Lab Sample ID: 480-173287-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.5		0.20		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: H67-DITCH-03 (0.5 -1.0)

Lab Sample ID: 480-173287-1

Date Collected: 07/31/20 10:35

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/14/20 08:58	08/17/20 14:46	1

Client Sample ID: H67-DITCH-03 (0.0 - 0.5)

Lab Sample ID: 480-173287-2

Date Collected: 07/31/20 10:30

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	46.9		0.20		mg/Kg		08/14/20 08:58	08/14/20 21:46	1

Client Sample ID: H06-DITCH-04 (0.0 - 0.5)

Lab Sample ID: 480-173287-3

Date Collected: 07/31/20 09:45

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	53.4		1.0		mg/Kg		08/14/20 08:58	08/17/20 14:54	5

Client Sample ID: H06-DITCH-03 (0.0 - 0.5)

Lab Sample ID: 480-173287-4

Date Collected: 07/31/20 09:05

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	46.1		0.19		mg/Kg		08/14/20 08:58	08/14/20 21:53	1

Client Sample ID: H06-DITCH-04 (0.5 - 1.0)

Lab Sample ID: 480-173287-5

Date Collected: 07/31/20 09:50

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.3		0.20		mg/Kg		08/14/20 08:58	08/14/20 21:57	1

Client Sample ID: H06-DITCH-03 (0.5 - 1.0)

Lab Sample ID: 480-173287-6

Date Collected: 07/31/20 09:10

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.7		0.21		mg/Kg		08/14/20 08:58	08/14/20 22:01	1

Client Sample ID: H06-DITCH-02 (0.0 - 0.5)

Lab Sample ID: 480-173287-7

Date Collected: 07/31/20 11:30

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	34.9		0.21		mg/Kg		08/14/20 08:58	08/14/20 22:05	1

Client Sample ID: H06-DITCH-02 (0.5 - 1.0) — **Lab Sample ID: 480-173287-8**
Date Collected: 07/31/20 11:35 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.86		0.19		mg/Kg		08/14/20 08:58	08/14/20 22:36	1

Client Sample ID: H05-DITCH-01 (1.5 - 2.0) — **Lab Sample ID: 480-173287-9**
Date Collected: 07/30/20 12:35 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	59.7	F1	0.20		mg/Kg		08/14/20 08:58	08/14/20 22:40	1

Client Sample ID: H04-DITCH-01 (2.5 - 3.0) — **Lab Sample ID: 480-173287-10**
Date Collected: 07/30/20 09:05 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	11.0	F1	0.19		mg/Kg		08/14/20 08:58	08/14/20 22:52	1

Client Sample ID: H05-DITCH-03 (1.5 - 2.0) — **Lab Sample ID: 480-173287-11**
Date Collected: 07/30/20 13:25 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	21.3		0.20		mg/Kg		08/14/20 08:58	08/14/20 23:04	1

Client Sample ID: H03-DITCH-01 (1.0 - 1.5) — **Lab Sample ID: 480-173287-12**
Date Collected: 07/31/20 07:10 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	39.6	F1	0.20		mg/Kg		08/14/20 08:58	08/14/20 23:19	1

Client Sample ID: H03-DITCH-01 (1.5 - 2.0) — **Lab Sample ID: 480-173287-13**
Date Collected: 07/30/20 07:15 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	22.2		0.20		mg/Kg		08/14/20 08:58	08/14/20 23:30	1

Client Sample ID: H04-DITCH-01 (2.0 - 2.5) — **Lab Sample ID: 480-173287-14**
Date Collected: 07/30/20 09:00 — Matrix: Solid
Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	57.5		0.21		mg/Kg		08/14/20 08:58	08/14/20 23:34	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Client Sample ID: FD-073020

Lab Sample ID: 480-173287-15

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	19.5		0.20		mg/Kg		08/14/20 08:58	08/14/20 23:38	1

Client Sample ID: FD-073020 - 2

Lab Sample ID: 480-173287-16

Date Collected: 07/30/20 00:00

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	30.4		0.19		mg/Kg		08/14/20 08:58	08/14/20 23:42	1

Client Sample ID: FD-073120 - 1

Lab Sample ID: 480-173287-17

Date Collected: 07/31/20 00:00

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	20.5		0.19		mg/Kg		08/14/20 08:58	08/14/20 23:46	1

Client Sample ID: FD-080320 - 2

Lab Sample ID: 480-173287-18

Date Collected: 07/31/20 00:00

Matrix: Solid

Date Received: 08/04/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.5		0.20		mg/Kg		08/14/20 08:58	08/14/20 23:50	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-545003/1-A
Matrix: Solid
Analysis Batch: 545520

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545003

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.21		mg/Kg		08/14/20 08:58	08/17/20 14:39	1

Lab Sample ID: LCSSRM 480-545003/2-A
Matrix: Solid
Analysis Batch: 545520

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	125	109.7		mg/Kg		87.7	68.4 - 114.4

Lab Sample ID: 480-173287-7 MS
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H06-DITCH-02 (0.0 - 0.5) MS
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	34.9		40.6	69.35		mg/Kg		85	75 - 125

Lab Sample ID: 480-173287-7 MSD
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H06-DITCH-02 (0.0 - 0.5) MSD
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	34.9		37.9	64.68		mg/Kg		79	75 - 125	7	20

Lab Sample ID: 480-173287-9 MS
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H05-DITCH-01 (1.5 - 2.0) MS
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	59.7	F1	40.2	75.01	F1	mg/Kg		38	75 - 125

Lab Sample ID: 480-173287-9 MSD
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H05-DITCH-01 (1.5 - 2.0) MSD
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	59.7	F1	42.3	89.97	F1	mg/Kg		72	75 - 125	18	20

Lab Sample ID: 480-173287-10 MS
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H04-DITCH-01 (2.5 - 3.0) MS
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	11.0	F1	38.5	47.69		mg/Kg		95	75 - 125

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

Lab Sample ID: 480-173287-10 MSD
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H04-DITCH-01 (2.5 - 3.0) MSD
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	11.0	F1	39.9	40.19	F1	mg/Kg		73	75 - 125	17	20

Lab Sample ID: 480-173287-12 MS
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H03-DITCH-01 (1.0 - 1.5) MS
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	39.6	F1	38.1	46.01	F1	mg/Kg		17	75 - 125

Lab Sample ID: 480-173287-12 MSD
Matrix: Solid
Analysis Batch: 545452

Client Sample ID: H03-DITCH-01 (1.0 - 1.5) MSD
Prep Type: Total/NA
Prep Batch: 545003

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	39.6	F1	42.2	47.76	F1	mg/Kg		19	75 - 125	4	20

Metals

Prep Batch: 545003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173287-1	H67-DITCH-03 (0.5 -1.0)	Total/NA	Solid	3050B	
480-173287-2	H67-DITCH-03 (0.0 - 0.5)	Total/NA	Solid	3050B	
480-173287-3	H06-DITCH-04 (0.0 - 0.5)	Total/NA	Solid	3050B	
480-173287-4	H06-DITCH-03 (0.0 - 0.5)	Total/NA	Solid	3050B	
480-173287-5	H06-DITCH-04 (0.5 - 1.0)	Total/NA	Solid	3050B	
480-173287-6	H06-DITCH-03 (0.5 - 1.0)	Total/NA	Solid	3050B	
480-173287-7	H06-DITCH-02 (0.0 - 0.5)	Total/NA	Solid	3050B	
480-173287-8	H06-DITCH-02 (0.5 - 1.0)	Total/NA	Solid	3050B	
480-173287-9	H05-DITCH-01 (1.5 - 2.0)	Total/NA	Solid	3050B	
480-173287-10	H04-DITCH-01 (2.5 - 3.0)	Total/NA	Solid	3050B	
480-173287-11	H05-DITCH-03 (1.5 - 2.0)	Total/NA	Solid	3050B	
480-173287-12	H03-DITCH-01 (1.0 - 1.5)	Total/NA	Solid	3050B	
480-173287-13	H03-DITCH-01 (1.5 - 2.0)	Total/NA	Solid	3050B	
480-173287-14	H04-DITCH-01 (2.0 - 2.5)	Total/NA	Solid	3050B	
480-173287-15	FD-073020	Total/NA	Solid	3050B	
480-173287-16	FD-073020 - 2	Total/NA	Solid	3050B	
480-173287-17	FD-073120 - 1	Total/NA	Solid	3050B	
480-173287-18	FD-080320 - 2	Total/NA	Solid	3050B	
MB 480-545003/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-545003/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-173287-7 MS	H06-DITCH-02 (0.0 - 0.5) MS	Total/NA	Solid	3050B	
480-173287-7 MSD	H06-DITCH-02 (0.0 - 0.5) MSD	Total/NA	Solid	3050B	
480-173287-9 MS	H05-DITCH-01 (1.5 - 2.0) MS	Total/NA	Solid	3050B	
480-173287-9 MSD	H05-DITCH-01 (1.5 - 2.0) MSD	Total/NA	Solid	3050B	
480-173287-10 MS	H04-DITCH-01 (2.5 - 3.0) MS	Total/NA	Solid	3050B	
480-173287-10 MSD	H04-DITCH-01 (2.5 - 3.0) MSD	Total/NA	Solid	3050B	
480-173287-12 MS	H03-DITCH-01 (1.0 - 1.5) MS	Total/NA	Solid	3050B	
480-173287-12 MSD	H03-DITCH-01 (1.0 - 1.5) MSD	Total/NA	Solid	3050B	

Analysis Batch: 545452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173287-2	H67-DITCH-03 (0.0 - 0.5)	Total/NA	Solid	6010C	545003
480-173287-4	H06-DITCH-03 (0.0 - 0.5)	Total/NA	Solid	6010C	545003
480-173287-5	H06-DITCH-04 (0.5 - 1.0)	Total/NA	Solid	6010C	545003
480-173287-6	H06-DITCH-03 (0.5 - 1.0)	Total/NA	Solid	6010C	545003
480-173287-7	H06-DITCH-02 (0.0 - 0.5)	Total/NA	Solid	6010C	545003
480-173287-8	H06-DITCH-02 (0.5 - 1.0)	Total/NA	Solid	6010C	545003
480-173287-9	H05-DITCH-01 (1.5 - 2.0)	Total/NA	Solid	6010C	545003
480-173287-10	H04-DITCH-01 (2.5 - 3.0)	Total/NA	Solid	6010C	545003
480-173287-11	H05-DITCH-03 (1.5 - 2.0)	Total/NA	Solid	6010C	545003
480-173287-12	H03-DITCH-01 (1.0 - 1.5)	Total/NA	Solid	6010C	545003
480-173287-13	H03-DITCH-01 (1.5 - 2.0)	Total/NA	Solid	6010C	545003
480-173287-14	H04-DITCH-01 (2.0 - 2.5)	Total/NA	Solid	6010C	545003
480-173287-15	FD-073020	Total/NA	Solid	6010C	545003
480-173287-16	FD-073020 - 2	Total/NA	Solid	6010C	545003
480-173287-17	FD-073120 - 1	Total/NA	Solid	6010C	545003
480-173287-18	FD-080320 - 2	Total/NA	Solid	6010C	545003
480-173287-7 MS	H06-DITCH-02 (0.0 - 0.5) MS	Total/NA	Solid	6010C	545003
480-173287-7 MSD	H06-DITCH-02 (0.0 - 0.5) MSD	Total/NA	Solid	6010C	545003
480-173287-9 MS	H05-DITCH-01 (1.5 - 2.0) MS	Total/NA	Solid	6010C	545003
480-173287-9 MSD	H05-DITCH-01 (1.5 - 2.0) MSD	Total/NA	Solid	6010C	545003

Metals (Continued)

Analysis Batch: 545452 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173287-10 MS	H04-DITCH-01 (2.5 - 3.0) MS	Total/NA	Solid	6010C	545003
480-173287-10 MSD	H04-DITCH-01 (2.5 - 3.0) MSD	Total/NA	Solid	6010C	545003
480-173287-12 MS	H03-DITCH-01 (1.0 - 1.5) MS	Total/NA	Solid	6010C	545003
480-173287-12 MSD	H03-DITCH-01 (1.0 - 1.5) MSD	Total/NA	Solid	6010C	545003

Analysis Batch: 545520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173287-1	H67-DITCH-03 (0.5 -1.0)	Total/NA	Solid	6010C	545003
480-173287-3	H06-DITCH-04 (0.0 - 0.5)	Total/NA	Solid	6010C	545003
MB 480-545003/1-A	Method Blank	Total/NA	Solid	6010C	545003
LCSSRM 480-545003/2-A	Lab Control Sample	Total/NA	Solid	6010C	545003

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-173287-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: H67-DITCH-03 (0.5 -1.0)
Lab Sample ID: 480-173287-1
Date Collected: 07/31/20 10:35
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545520	08/17/20 14:46	AMH	TAL BUF

Client Sample ID: H67-DITCH-03 (0.0 - 0.5)
Lab Sample ID: 480-173287-2
Date Collected: 07/31/20 10:30
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 21:46	AMH	TAL BUF

Client Sample ID: H06-DITCH-04 (0.0 - 0.5)
Lab Sample ID: 480-173287-3
Date Collected: 07/31/20 09:45
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545520	08/17/20 14:54	AMH	TAL BUF

Client Sample ID: H06-DITCH-03 (0.0 - 0.5)
Lab Sample ID: 480-173287-4
Date Collected: 07/31/20 09:05
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 21:53	AMH	TAL BUF

Client Sample ID: H06-DITCH-04 (0.5 - 1.0)
Lab Sample ID: 480-173287-5
Date Collected: 07/31/20 09:50
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 21:57	AMH	TAL BUF

Client Sample ID: H06-DITCH-03 (0.5 - 1.0)
Lab Sample ID: 480-173287-6
Date Collected: 07/31/20 09:10
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 22:01	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Client Sample ID: H06-DITCH-02 (0.0 - 0.5)

Lab Sample ID: 480-173287-7

Date Collected: 07/31/20 11:30
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 22:05	AMH	TAL BUF

Client Sample ID: H06-DITCH-02 (0.5 - 1.0)

Lab Sample ID: 480-173287-8

Date Collected: 07/31/20 11:35
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 22:36	AMH	TAL BUF

Client Sample ID: H05-DITCH-01 (1.5 - 2.0)

Lab Sample ID: 480-173287-9

Date Collected: 07/30/20 12:35
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 22:40	AMH	TAL BUF

Client Sample ID: H04-DITCH-01 (2.5 - 3.0)

Lab Sample ID: 480-173287-10

Date Collected: 07/30/20 09:05
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 22:52	AMH	TAL BUF

Client Sample ID: H05-DITCH-03 (1.5 - 2.0)

Lab Sample ID: 480-173287-11

Date Collected: 07/30/20 13:25
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:04	AMH	TAL BUF

Client Sample ID: H03-DITCH-01 (1.0 - 1.5)

Lab Sample ID: 480-173287-12

Date Collected: 07/31/20 07:10
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:19	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-173287-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: H03-DITCH-01 (1.5 - 2.0)
Lab Sample ID: 480-173287-13

Date Collected: 07/30/20 07:15
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:30	AMH	TAL BUF

Client Sample ID: H04-DITCH-01 (2.0 - 2.5)
Lab Sample ID: 480-173287-14

Date Collected: 07/30/20 09:00
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:34	AMH	TAL BUF

Client Sample ID: FD-073020
Lab Sample ID: 480-173287-15

Date Collected: 07/30/20 00:00
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:38	AMH	TAL BUF

Client Sample ID: FD-073020 - 2
Lab Sample ID: 480-173287-16

Date Collected: 07/30/20 00:00
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:42	AMH	TAL BUF

Client Sample ID: FD-073120 - 1
Lab Sample ID: 480-173287-17

Date Collected: 07/31/20 00:00
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:46	AMH	TAL BUF

Client Sample ID: FD-080320 - 2
Lab Sample ID: 480-173287-18

Date Collected: 07/31/20 00:00
Matrix: Solid
Date Received: 08/04/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545003	08/14/20 08:58	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545452	08/14/20 23:50	AMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173287-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173287-1	H67-DITCH-03 (0.5 -1.0)	Solid	07/31/20 10:35	08/04/20 08:00	
480-173287-2	H67-DITCH-03 (0.0 - 0.5)	Solid	07/31/20 10:30	08/04/20 08:00	
480-173287-3	H06-DITCH-04 (0.0 - 0.5)	Solid	07/31/20 09:45	08/04/20 08:00	
480-173287-4	H06-DITCH-03 (0.0 - 0.5)	Solid	07/31/20 09:05	08/04/20 08:00	
480-173287-5	H06-DITCH-04 (0.5 - 1.0)	Solid	07/31/20 09:50	08/04/20 08:00	
480-173287-6	H06-DITCH-03 (0.5 - 1.0)	Solid	07/31/20 09:10	08/04/20 08:00	
480-173287-7	H06-DITCH-02 (0.0 - 0.5)	Solid	07/31/20 11:30	08/04/20 08:00	
480-173287-8	H06-DITCH-02 (0.5 - 1.0)	Solid	07/31/20 11:35	08/04/20 08:00	
480-173287-9	H05-DITCH-01 (1.5 - 2.0)	Solid	07/30/20 12:35	08/04/20 08:00	
480-173287-10	H04-DITCH-01 (2.5 - 3.0)	Solid	07/30/20 09:05	08/04/20 08:00	
480-173287-11	H05-DITCH-03 (1.5 - 2.0)	Solid	07/30/20 13:25	08/04/20 08:00	
480-173287-12	H03-DITCH-01 (1.0 - 1.5)	Solid	07/31/20 07:10	08/04/20 08:00	
480-173287-13	H03-DITCH-01 (1.5 - 2.0)	Solid	07/30/20 07:15	08/04/20 08:00	
480-173287-14	H04-DITCH-01 (2.0 - 2.5)	Solid	07/30/20 09:00	08/04/20 08:00	
480-173287-15	FD-073020	Solid	07/30/20 00:00	08/04/20 08:00	
480-173287-16	FD-073020 - 2	Solid	07/30/20 00:00	08/04/20 08:00	
480-173287-17	FD-073120 - 1	Solid	07/31/20 00:00	08/04/20 08:00	
480-173287-18	FD-080320 - 2	Solid	07/31/20 00:00	08/04/20 08:00	

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

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing America

Client Information	Sampler: Josh Sinagra	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.11
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 1 of 13~~ pg 2 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-173287 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H04-DITCH-01 (2.5-3.0)	7/30/20	0905	C	Solid			X			1	
H05-DITCH-03(1.5-2.0)	7/30/20	1325	C	Solid			X			1	
H03-DITCH-01 (1.0-1.5)	7/31/20	0710	C	Solid			X			1	
H03-DITCH-01 (1.5-2.0)	7/31/20	0715	C	Solid			X			1	
H04-DITCH-01 (2.0-2.5)	7/30/20	0900	C	Solid			X			1	
H04-DITCH-01 (2.5-3.0)-MS/MSD	7/30/20	0905	C	Solid		X	X			2	
H03-DITCH-01 (1.0-1.5)-MS/MSD	07/31/20	0710	C	Solid		X	X			2	
FD-073020	7/30/20	/	C	Solid			X			1	
FD-073020-2	7/30/20	/	C	Solid			X			1	
FD-073120-1	7/31/20	/	C	Solid			X			1	
FD-073020-2	7/31/20	/	C	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinagra	8/3/20 1800	Arcadis		8/3/20 1800	ES-SYR
2		8/3/20 1900	ES-SYR			
3					8/4/20 0800	JAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

Syracuse #225

eurofins | Environment Testing America

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.6
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 6 of 19~~ pg 1 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N		
H67-DITCH-03(0.5-1.0)	7/31/20	1035	C	Solid			X			1	
H67-DITCH-03(0.0-0.5)	7/31/20	1030	C	Solid			X			1	
H06-DITCH-04(0.0-0.5)	7/31/20	0945	C	Solid			X			1	
H06-DITCH-03(0.0-0.5)	7/31/20	0905	C	Solid			X			1	
H06-DITCH-04(0.5-1.0)	7/31/20	0950	C	Solid			X			1	
H06-DITCH-03(0.5-1.0)	7/31/20	0910	C	Solid			X			1	
H06-DITCH-02(0.0-0.5)	7/31/20	1130	C	Solid			X			1	
H06-DITCH-02(0.0-0.5)-MS/MSD	7/31/20	1130	C	Solid		X	X			2	
H06-DITCH-02(0.5-1.0)	7/31/20	1135	C	Solid			X			1	
H05-DITCH-01(1.5-2.0)	7/30/20	1235	C	Solid			X			1	
H05-DITCH-01(1.5-2.0)-MS/MSD	7/30/20	1235	C	Solid		X	X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/3/20 1800	Arcadis		8/3/20 1800	ES-SYR
2		8/3/20 1900	ES-SYR			
3					8/4/20 0800	TMB

Custody Seals Intact: Δ Yes Δ No

Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4° #1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173287-1

Login Number: 173287

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.4 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	arcidas
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173342-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
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Authorized for release by:
8/20/2020 4:36:29 PM
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Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-173342-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173342-1

Comments
No additional comments.

Receipt
The samples were received on 8/5/2020 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.5º C and 2.8º C.

Receipt Exceptions

Insufficient volume was received to analyze percent moisture on sample: H04-DITCH-04 (2.5-3.0) (480-173342-1), H06-DITCH-01 (0.5-1.0) (480-173342-2), H05-DITCH-05 (1.5-2.0) (480-173342-3), H04-DITCH-02 (3.0-3.5) (480-173342-4), H03-DITCH-03 (1.0-1.5) (480-173342-5), H04-DITCH-04 (3.0-3.5) (480-173342-6), H03-DITCH-03 (1.5-2.0) (480-173342-7), H05-DITCH-05 (1.0-1.5) (480-173342-8), H05-DITCH-04 (2.5-3.0) (480-173342-9), H06-DITCH-01 (0.0-0.5) (480-173342-10), H06-DITCH-01 (0.0-0.5) (480-173342-10[MS]), H06-DITCH-01 (0.0-0.5) (480-173342-10[MSD]), H04-DITCH-02 (3.5-4.0) (480-173342-11), H04-DITCH-02 (3.5-4.0) (480-173342-11[MS]), H04-DITCH-02 (3.5-4.0) (480-173342-11[MSD]), FD-080320-1 (480-173342-12), FD-080420-1 (480-173342-13), FD-080420-2 (480-173342-14), H03-DITCH-02 (0.5-1.0) (480-173342-15), H04-DITCH-04 (1.5-2.0) (480-173342-16), H04-DITCH-04 (1.0-1.5) (480-173342-17), H06-DITCH-04 (1.5-2.0) (480-173342-18), H07-DITCH-03 (1.0-1.5) (480-173342-19), H06-DITCH-01 (1.0-1.5) (480-173342-20), H06-DITCH-02 (1.5-2.0) (480-173342-21), H03-DITCH-02 (1.0-1.5) (480-173342-22), H06-DITCH-04 (1.5-2.0) (480-173342-23), H06-DITCH-03 (1.5-2.0) (480-173342-24), H03-DITCH-02 (1.5-2.0) (480-173342-25), H05-DITCH-01 (0.0-0.5) (480-173342-26), H05-DITCH-03 (0.0-0.5) (480-173342-27), H05-DITCH-01 (0.5-1.0) (480-173342-28), H07-DITCH-03 (1.5-2.0) (480-173342-29), H05-DITCH-03 (1.0-1.5) (480-173342-30), H05-DITCH-03 (0.5-1.0) (480-173342-31), H05-DITCH-02 (0.0-0.5) (480-173342-32), H05-DITCH-02 (0.5-1.0) (480-173342-33), H05-DITCH-02 (1.0-1.5) (480-173342-34), H03-DITCH-01 (0.0-0.5) (480-173342-35), H03-DITCH-01 (0.5-1.0) (480-173342-36), H03-DITCH-02 (0.0-0.5) (480-173342-37), H05-DITCH-04 (0.5-1.0) (480-173342-38), H05-DITCH-04 (0.0-0.5) (480-173342-39), H05-DITCH-05 (0.0-0.5 (480-173342-40), H05-DITCH-05 (0.5-1.0) (480-173342-41), H04-DITCH-02 (1.5-2.0) (480-173342-42), H04-DITCH-02 (1.0-1.5) (480-173342-43), H04-DITCH-01 (1.5-2.0) (480-173342-44), H04-DITCH-05 (1.5-2.0) (480-173342-45), H04-DITCH-05 (1.0-1.5) (480-173342-46), H04-DITCH-01 (1.0-1.5) (480-173342-47), H06-DITCH-03 (1.0-1.5) (480-173342-48), H06-DITCH-02 (1.0-1.5) (480-173342-49), H06-DITCH-04 (1.0-1.5) (480-173342-50), H05-DITCH-04 (1.5-2.0) (480-173342-51), H04-DITCH-04 (2.0-2.5) (480-173342-52), H04-DITCH-02 (2.0-2.5) (480-173342-53), H05-DITCH-04 (1.0-1.5) (480-173342-54), H05-DITCH-04 (2.0-2.5) (480-173342-55), H03-DITCH-03 (0.5-1.0) (480-173342-56), H04-DITCH-06 (1.5-2.0) (480-173342-57), H04-DITCH-06 (1.0-1.5) (480-173342-58), H04-DITCH-04 (3.5-4.0) (480-173342-59), H04-DITCH-02 (2.5-3.0) (480-173342-60), H03-DITCH-02 (2.0-2.5) (480-173342-61), H03-DITCH-03 (0.0-0.5) (480-173342-62), H04-DITCH-05 (2.0-2.5) (480-173342-63) and H04-DITCH-05 (2.5-3.0) (480-173342-64).

Metals
Method 6010C: Due to sample matrix effect on the internal standard (Yttrium), a dilution was required for the following samples: H06-DITCH-01 (0.0-0.5) (480-173342-10), H06-DITCH-01 (0.0-0.5) (480-173342-10[MS]), H06-DITCH-01 (0.0-0.5) (480-173342-10[MSD]), H04-DITCH-02 (3.5-4.0) (480-173342-11), H04-DITCH-02 (3.5-4.0) (480-173342-11[MS]), H04-DITCH-02 (3.5-4.0) (480-173342-11[MSD]), (480-173342-A-10-A PDS ^5) and (480-173342-A-10-A SD ^25).

Method 6010C: The serial dilution and post spike (480-173342-A-10-A PDS ^5) and (480-173342-A-10-A SD ^25), exceeded the quality control limits for Total Cadmium. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: Due to sample matrix effect on the internal standard (ISTD Yttrium), a dilution was required for the following sample: H05-DITCH-04 (2.5-3.0) (480-173342-9).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: H04-DITCH-04 (2.5-3.0) — Lab Sample ID: 480-173342-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	35.3		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H06-DITCH-01 (0.5-1.0) — Lab Sample ID: 480-173342-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	3.8		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H05-DITCH-05 (1.5-2.0) — Lab Sample ID: 480-173342-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	237		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H04-DITCH-02 (3.0-3.5) — Lab Sample ID: 480-173342-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	100		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H03-DITCH-03 (1.0-1.5) — Lab Sample ID: 480-173342-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	54.2		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H04-DITCH-04 (3.0-3.5) — Lab Sample ID: 480-173342-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.73		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: H03-DITCH-03 (1.5-2.0) — Lab Sample ID: 480-173342-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	17.8		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H05-DITCH-05 (1.0-1.5) — Lab Sample ID: 480-173342-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	315		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: H05-DITCH-04 (2.5-3.0) — Lab Sample ID: 480-173342-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1810		1.9		mg/Kg	10		6010C	Total/NA

Client Sample ID: H06-DITCH-01 (0.0-0.5) — Lab Sample ID: 480-173342-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	94.6	F1	0.95		mg/Kg	5		6010C	Total/NA

Client Sample ID: H04-DITCH-02 (3.5-4.0) — Lab Sample ID: 480-173342-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	325		1.0		mg/Kg	5		6010C	Total/NA

Client Sample ID: FD-080320-1 — Lab Sample ID: 480-173342-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.79		0.19		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: FD-080420-1 — Lab Sample ID: 480-173342-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	18.4		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-080420-2 — Lab Sample ID: 480-173342-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	104		0.21		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: H04-DITCH-04 (2.5-3.0)
Lab Sample ID: 480-173342-1
Date Collected: 07/30/20 11:15
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	35.3		0.19		mg/Kg		08/17/20 16:42	08/18/20 12:15	1

Client Sample ID: H06-DITCH-01 (0.5-1.0)
Lab Sample ID: 480-173342-2
Date Collected: 08/03/20 07:05
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.8		0.19		mg/Kg		08/17/20 16:42	08/18/20 12:19	1

Client Sample ID: H05-DITCH-05 (1.5-2.0)
Lab Sample ID: 480-173342-3
Date Collected: 07/29/20 12:05
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	237		0.20		mg/Kg		08/17/20 16:42	08/18/20 12:23	1

Client Sample ID: H04-DITCH-02 (3.0-3.5)
Lab Sample ID: 480-173342-4
Date Collected: 08/04/20 09:00
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	100		0.20		mg/Kg		08/17/20 16:42	08/18/20 12:27	1

Client Sample ID: H03-DITCH-03 (1.0-1.5)
Lab Sample ID: 480-173342-5
Date Collected: 08/03/20 06:20
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	54.2		0.20		mg/Kg		08/17/20 16:42	08/18/20 12:31	1

Client Sample ID: H04-DITCH-04 (3.0-3.5)
Lab Sample ID: 480-173342-6
Date Collected: 08/04/20 09:40
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.73		0.19		mg/Kg		08/17/20 16:42	08/18/20 12:35	1

Client Sample ID: H03-DITCH-03 (1.5-2.0)
Lab Sample ID: 480-173342-7
Date Collected: 08/03/20 06:25
Matrix: Solid
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	17.8		0.20		mg/Kg		08/17/20 16:42	08/18/20 12:50	1

Client Sample ID: H05-DITCH-05 (1.0-1.5)

Lab Sample ID: 480-173342-8
Matrix: Solid
Date Collected: 07/29/20 12:00
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	315		0.20		mg/Kg		08/17/20 16:42	08/18/20 12:54	1

Client Sample ID: H05-DITCH-04 (2.5-3.0)

Lab Sample ID: 480-173342-9
Matrix: Solid
Date Collected: 08/03/20 08:35
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1810		1.9		mg/Kg		08/17/20 16:42	08/19/20 15:22	10

Client Sample ID: H06-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-173342-10
Matrix: Solid
Date Collected: 08/03/20 07:00
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	94.6	F1	0.95		mg/Kg		08/17/20 16:42	08/19/20 12:40	5

Client Sample ID: H04-DITCH-02 (3.5-4.0)

Lab Sample ID: 480-173342-11
Matrix: Solid
Date Collected: 08/04/20 09:05
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	325		1.0		mg/Kg		08/17/20 16:42	08/19/20 12:58	5

Client Sample ID: FD-080320-1

Lab Sample ID: 480-173342-12
Matrix: Solid
Date Collected: 08/03/20 00:00
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.79		0.19		mg/Kg		08/17/20 16:42	08/18/20 13:44	1

Client Sample ID: FD-080420-1

Lab Sample ID: 480-173342-13
Matrix: Solid
Date Collected: 08/04/20 00:00
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	18.4		0.19		mg/Kg		08/17/20 16:42	08/18/20 13:48	1

Client Sample ID: FD-080420-2

Lab Sample ID: 480-173342-14
Matrix: Solid
Date Collected: 08/04/20 00:00
Date Received: 08/05/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	104		0.21		mg/Kg		08/17/20 16:42	08/18/20 13:52	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-545255/1-A
Matrix: Solid
Analysis Batch: 545785

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.21		mg/Kg		08/17/20 16:42	08/18/20 12:08	1

Lab Sample ID: LCSSRM 480-545255/2-A
Matrix: Solid
Analysis Batch: 545785

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545255

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	103.0		mg/Kg		82.4	68.4 - 114.4		

Lab Sample ID: 480-173342-10 MS
Matrix: Solid
Analysis Batch: 545871

Client Sample ID: H06-DITCH-01 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 545255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	94.6	F1	40.7	122.6	F1	mg/Kg		69	75 - 125		

Lab Sample ID: 480-173342-10 MSD
Matrix: Solid
Analysis Batch: 545871

Client Sample ID: H06-DITCH-01 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 545255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	94.6	F1	40.8	131.9		mg/Kg		91	75 - 125	7	20

Lab Sample ID: 480-173342-11 MS
Matrix: Solid
Analysis Batch: 545871

Client Sample ID: H04-DITCH-02 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 545255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	325		39.9	412.9	4	mg/Kg		221	75 - 125		

Lab Sample ID: 480-173342-11 MSD
Matrix: Solid
Analysis Batch: 545871

Client Sample ID: H04-DITCH-02 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 545255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	325		40.5	373.1	4	mg/Kg		119	75 - 125	10	20

Metals

Prep Batch: 545255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-1	H04-DITCH-04 (2.5-3.0)	Total/NA	Solid	3050B	
480-173342-2	H06-DITCH-01 (0.5-1.0)	Total/NA	Solid	3050B	
480-173342-3	H05-DITCH-05 (1.5-2.0)	Total/NA	Solid	3050B	
480-173342-4	H04-DITCH-02 (3.0-3.5)	Total/NA	Solid	3050B	
480-173342-5	H03-DITCH-03 (1.0-1.5)	Total/NA	Solid	3050B	
480-173342-6	H04-DITCH-04 (3.0-3.5)	Total/NA	Solid	3050B	
480-173342-7	H03-DITCH-03 (1.5-2.0)	Total/NA	Solid	3050B	
480-173342-8	H05-DITCH-05 (1.0-1.5)	Total/NA	Solid	3050B	
480-173342-9	H05-DITCH-04 (2.5-3.0)	Total/NA	Solid	3050B	
480-173342-10	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-173342-11	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	3050B	
480-173342-12	FD-080320-1	Total/NA	Solid	3050B	
480-173342-13	FD-080420-1	Total/NA	Solid	3050B	
480-173342-14	FD-080420-2	Total/NA	Solid	3050B	
MB 480-545255/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-545255/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-173342-10 MS	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-173342-10 MSD	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-173342-11 MS	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	3050B	
480-173342-11 MSD	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	3050B	

Analysis Batch: 545785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-1	H04-DITCH-04 (2.5-3.0)	Total/NA	Solid	6010C	545255
480-173342-2	H06-DITCH-01 (0.5-1.0)	Total/NA	Solid	6010C	545255
480-173342-3	H05-DITCH-05 (1.5-2.0)	Total/NA	Solid	6010C	545255
480-173342-4	H04-DITCH-02 (3.0-3.5)	Total/NA	Solid	6010C	545255
480-173342-5	H03-DITCH-03 (1.0-1.5)	Total/NA	Solid	6010C	545255
480-173342-6	H04-DITCH-04 (3.0-3.5)	Total/NA	Solid	6010C	545255
480-173342-7	H03-DITCH-03 (1.5-2.0)	Total/NA	Solid	6010C	545255
480-173342-8	H05-DITCH-05 (1.0-1.5)	Total/NA	Solid	6010C	545255
480-173342-12	FD-080320-1	Total/NA	Solid	6010C	545255
480-173342-13	FD-080420-1	Total/NA	Solid	6010C	545255
480-173342-14	FD-080420-2	Total/NA	Solid	6010C	545255
MB 480-545255/1-A	Method Blank	Total/NA	Solid	6010C	545255
LCSSRM 480-545255/2-A	Lab Control Sample	Total/NA	Solid	6010C	545255

Analysis Batch: 545871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-10	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	545255
480-173342-11	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	6010C	545255
480-173342-10 MS	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	545255
480-173342-10 MSD	H06-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	545255
480-173342-11 MS	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	6010C	545255
480-173342-11 MSD	H04-DITCH-02 (3.5-4.0)	Total/NA	Solid	6010C	545255

Analysis Batch: 545894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-9	H05-DITCH-04 (2.5-3.0)	Total/NA	Solid	6010C	545255

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: H04-DITCH-04 (2.5-3.0)
Date Collected: 07/30/20 11:15
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:15	LMH	TAL BUF

Client Sample ID: H06-DITCH-01 (0.5-1.0)
Date Collected: 08/03/20 07:05
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:19	LMH	TAL BUF

Client Sample ID: H05-DITCH-05 (1.5-2.0)
Date Collected: 07/29/20 12:05
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:23	LMH	TAL BUF

Client Sample ID: H04-DITCH-02 (3.0-3.5)
Date Collected: 08/04/20 09:00
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:27	LMH	TAL BUF

Client Sample ID: H03-DITCH-03 (1.0-1.5)
Date Collected: 08/03/20 06:20
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:31	LMH	TAL BUF

Client Sample ID: H04-DITCH-04 (3.0-3.5)
Date Collected: 08/04/20 09:40
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:35	LMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: H03-DITCH-03 (1.5-2.0)

Lab Sample ID: 480-173342-7
Date Collected: 08/03/20 06:25
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:50	LMH	TAL BUF

Client Sample ID: H05-DITCH-05 (1.0-1.5)

Lab Sample ID: 480-173342-8
Date Collected: 07/29/20 12:00
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 12:54	LMH	TAL BUF

Client Sample ID: H05-DITCH-04 (2.5-3.0)

Lab Sample ID: 480-173342-9
Date Collected: 08/03/20 08:35
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		10	545894	08/19/20 15:22	LMH	TAL BUF

Client Sample ID: H06-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-173342-10
Date Collected: 08/03/20 07:00
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545871	08/19/20 12:40	LMH	TAL BUF

Client Sample ID: H04-DITCH-02 (3.5-4.0)

Lab Sample ID: 480-173342-11
Date Collected: 08/04/20 09:05
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545871	08/19/20 12:58	LMH	TAL BUF

Client Sample ID: FD-080320-1

Lab Sample ID: 480-173342-12
Date Collected: 08/03/20 00:00
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 13:44	LMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Client Sample ID: FD-080420-1

Date Collected: 08/04/20 00:00
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 13:48	LMH	TAL BUF

Client Sample ID: FD-080420-2

Date Collected: 08/04/20 00:00
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545255	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545785	08/18/20 13:52	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173342-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173342-1	H04-DITCH-04 (2.5-3.0)	Solid	07/30/20 11:15	08/05/20 08:00	
480-173342-2	H06-DITCH-01 (0.5-1.0)	Solid	08/03/20 07:05	08/05/20 08:00	
480-173342-3	H05-DITCH-05 (1.5-2.0)	Solid	07/29/20 12:05	08/05/20 08:00	
480-173342-4	H04-DITCH-02 (3.0-3.5)	Solid	08/04/20 09:00	08/05/20 08:00	
480-173342-5	H03-DITCH-03 (1.0-1.5)	Solid	08/03/20 06:20	08/05/20 08:00	
480-173342-6	H04-DITCH-04 (3.0-3.5)	Solid	08/04/20 09:40	08/05/20 08:00	
480-173342-7	H03-DITCH-03 (1.5-2.0)	Solid	08/03/20 06:25	08/05/20 08:00	
480-173342-8	H05-DITCH-05 (1.0-1.5)	Solid	07/29/20 12:00	08/05/20 08:00	
480-173342-9	H05-DITCH-04 (2.5-3.0)	Solid	08/03/20 08:35	08/05/20 08:00	
480-173342-10	H06-DITCH-01 (0.0-0.5)	Solid	08/03/20 07:00	08/05/20 08:00	
480-173342-11	H04-DITCH-02 (3.5-4.0)	Solid	08/04/20 09:05	08/05/20 08:00	
480-173342-12	FD-080320-1	Solid	08/03/20 00:00	08/05/20 08:00	
480-173342-13	FD-080420-1	Solid	08/04/20 00:00	08/05/20 08:00	
480-173342-14	FD-080420-2	Solid	08/04/20 00:00	08/05/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.2
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 2 of 10~~ pg 1 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-173342 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number	Special Instructions/Note:
			Preservation Code:				N	N	N		
H04-DITCH-04(2.5-3.0)	7/30/20	1115	C	Solid			X			1	
H06-DITCH-01(0.5-1.0)	8/3/20	0705	C	Solid			X			1	
H05-DITCH-05(1.5-2.0)	7/29/20	1205	C	Solid			X			1	
H04-DITCH-02(3.0-3.5)	8/4/20	0900	C	Solid			X			1	
H03-DITCH-03(1.0-1.5)	8/3/20	0620	C	Solid			X			1	
H04-DITCH-04(3.0-3.5)	8/4/20	0940	C	Solid			X			1	
H03-DITCH-03(1.5-2.0)	8/3/20	0625	C	Solid			X			1	
H05-DITCH-05(1.0-1.5)	7/29/20	1200	C	Solid			X			1	
H05-DITCH-04(2.5-3.0)	8/3/20	0835	C	Solid			X			1	
H06-DITCH-01(0.0-0.5)	8/3/20	0700	C	Solid			X			1	
H06-DITCH-01(0.0-0.5)-MS/MSD	8/3/20	0700	C	Solid	X	X	X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Josh Sinay	8/4/20 1800	Arcadis	Received by:	8/4/20 1800	ES-Syr
Relinquished by:	8-4-20, 19:00	Syr	Received by:	8/5/20 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 2.5, 2.8

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.1
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 1 of 10~~ pg 2 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H04-DITCH-02(3.5-4.0)	8/4/20	0905	C	Solid			X			1	
H04-DITCH-02(3.5-4.0)-MS/~~MSD~~	8/4/20	0905	C	Solid		X	X			2	
FD-080320-1	8/3/20	—	C	Solid			X			1	
FD-080420-1	8/4/20	—	C	Solid			X			1	
FD-080420-2	8/4/20	—	C	Solid			X			1	
				Solid							
				Solid							
RF 8-4-20				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time: 8-4-20, 1900	Company	Received by:	Date/Time: 8/5/20 0800	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.12
Client Contact: Mark Flusche	Phone: 315-877-6220	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~12 of 19~~ pg 3 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H03-DITCH-02(0.5-1.0)	7/31/20	0725	C	Solid			X				HOLD
H04-DITCH-04(1.5-2.0)	7/29/20	0925	C	Solid			X				
H04-DITCH-04(1.0-1.5)	7/29/20	0920	C	Solid			X				
H06-DITCH-04(1.5-2.0)	8/3/20	0715	C	Solid			X				
H67-DITCH-03(1.0-1.5)	7/31/20	1040	C	Solid			X				
H06-DITCH-01(1.0-1.5)	8/3/20	0710	C	Solid			X				
H06-DITCH-02(1.5-2.0)	7/31/20	1145	C	Solid			X				
H03-DITCH-02(1.0-1.5)	7/31/20	0730	C	Solid			X				
H06-DITCH-04(1.5-2.0)	7/31/20	1000	C	Solid			X				
H06-DITCH-03(1.5-2.0)	7/31/20	0920	C	Solid			X				
H03-DITCH-02(1.5-2.0)	7/31/20	0735	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-Syr
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1900	Eyra	Wallace	8/5/20 0800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.5
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 5 of 19~~ pg 4 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H05-DITCH-01 (0.0-0.5)	7/30/20	1220	C	Solid			X				HOLD
H05-DITCH-03 (0.0-0.5)	7/30/20	1310	C	Solid			X				
H05-DITCH-01 (0.5-1.0)	7/30/20	1225	C	Solid			X				
H67-DITCH-03 (1.5-2.0)	7/31/20	1045	C	Solid			X				
H05-DITCH-03 (1.0-1.5)	7/30/20	1320	C	Solid			X				
H05-DITCH-03 (0.5-1.0)	7/30/20	1315	C	Solid			X				
H05-DITCH-02 (0.0-0.5)	7/30/20	1418	C	Solid			X				
H05-DITCH-02 (0.5-1.0)	7/30/20	1425	C	Solid			X				
H05-DITCH-02 (1.0-1.5)	7/30/20	1430	C	Solid			X				
H03-DITCH-01 (0.0-0.5)	07/31/20	0700	C	Solid			X				
H03-DITCH-01 (0.5-1.0)	7/31/20	0705	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800			8/4/20 1800	ES-SYR
Relinquished by:	Date/Time: 8-4-20, 1900	Company Syr	Received by:	Date/Time: 8/5/20 0800	Company TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Carrier Tracking No(s): Syracuse #225

COC No: 480-148488-32873.13

Page: Page ~~1 of 3~~ pg 5 of ~~5~~ 7 5 of 7

Job #: ~~5 of 5~~

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com	
Company: ARCADIS U.S. Inc			
Address: 855 Route 146 Suite 210	Due Date Requested:		
City: Clifton Park	TAT Requested (days): HOLD		
State, Zip: NY, 12065			
Phone: 518-250-7322(Tel)	PO #: VCRP026147		
Email: mark.flusche@arcadis-us.com	WO #:		
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H03-DITCH-02 (0.0-0.5)	7/31/20	0720	C	Solid			X				HOLD
H05-DITCH-04 (0.5-1.0)	7/29/20	1130	C	Solid			X				
H05-DITCH-04 (0.0-0.5)	7/29/20	1125	C	Solid			X				
H05-DITCH-05 (0.0-0.5)	7/29/20	1150	C	Solid			X				
H05-DITCH-05 (0.5-1.0)	7/29/20	1155	C	Solid			X				
H04-DITCH-02 (1.5-2.0)	7/28/20	1335	C	Solid			X				
H04-DITCH-02 (1.0-1.5)	7/28/20	1330	C	Solid			X				
H04-DITCH-01 (1.5-2.0)	7/29/20	1030	C	Solid			X				
H04-DITCH-05 (1.5-2.0)	7/29/20	0905	C	Solid			X				
H04-DITCH-05 (1.0-1.5)	7/29/20	0900	C	Solid			X				
H04-DITCH-01 (1.0-1.5)	7/29/20	1020	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1905	Fedex	Ewallace	8/5/20 0800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.15
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 15 of 15~~ pg 6 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H06-DITCH-03(1.0-1.5)	7/31/20	0915	C	Solid			X				HOLD
H06-DITCH-02(1.0-1.5)	7/31/20	1140	C	Solid			X				
H06-DITCH-04(1.0-1.5)	7/31/20	0955	C	Solid			X				
H05-DITCH-04(1.5-2.0)	7/29/20	1140	C	Solid			X				
H04-DITCH-04(2.0-2.5)	7/30/20	1110	C	Solid			X				
H04-DITCH-02(2.0-2.5)	7/30/20	0945	C	Solid			X				
H05-DITCH-04(1.0-1.5)	7/29/20	1135	C	Solid			X				
H05-DITCH-04(2.0-2.5)	8/3/20	0830	C	Solid			X				
H03-DITCH-03(0.5-1.0)	8/3/20	0615	C	Solid			X				
H04-DITCH-06(1.5-2.0)	7/29/20	1120	C	Solid			X				
H04-DITCH-06(1.0-1.5)	7/29/20	1115	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1900	Fedex	Cwallace	8/5/20 0800	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.16
Client Contact: Mark Flusche	Phone: 315-877-6728	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 16 of 19~~ pg 7of7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H04-DITCH-04(3.5-4.0)	8/4/20	0945	C	Solid			X				HOLD
H04-DITCH-02(2.5-3.0)	7/30/20	0950	C	Solid			X				
H03-DITCH-02(2.0-2.5)	7/31/20	0745	C	Solid			X				
H03-DITCH-03(0.0-0.5)	8/3/20	0610	C	Solid			X				
H04-DITCH-05(2.0-2.5)	7/30/20	1035	C	Solid			X				
H04-DITCH-05(2.5-3.0)	7/30/20	1040	C	Solid			X				HOLD
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
2		8-4-20, 1905	Eyn		8/5/20 0800	TAB
3		Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173342-1

Login Number: 173342
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173342-3
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
9/15/2020 4:22:17 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

Table of Contents

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Glossary

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

Job ID: 480-173342-3

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173342-3

Comments
No additional comments.

Receipt
The samples were received on 8/5/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.5º C and 2.8º C.

Receipt Exceptions

Insufficient volume was received to analyze percent moisture on sample: H05-DITCH-04 (2.0-2.5) (480-173342-55).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-3

Client Sample ID: H05-DITCH-04 (2.0-2.5)

Lab Sample ID: 480-173342-55

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	179		0.19		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-3

Client Sample ID: H05-DITCH-04 (2.0-2.5)
Date Collected: 08/03/20 08:30
Date Received: 08/05/20 08:00

Lab Sample ID: 480-173342-55
Matrix: Solid

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	179		0.19		mg/Kg		09/12/20 16:47	09/14/20 14:17	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-549174/1-A
Matrix: Solid
Analysis Batch: 549519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549174

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.21		mg/Kg		09/12/20 16:47	09/14/20 13:03	1

Lab Sample ID: LCDSRM 480-549174/15-A
Matrix: Solid
Analysis Batch: 549519

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 549174

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium			125	97.81		mg/Kg		78.3	68.4 - 114.4	3	20

Lab Sample ID: LCSSRM 480-549174/2-A
Matrix: Solid
Analysis Batch: 549519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549174

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium			125	100.4		mg/Kg		80.3	68.4 - 114.4

QC Association Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173342-3
Project/Site: GTEOSI - Seneca Falls

Metals

Prep Batch: 549174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-55	H05-DITCH-04 (2.0-2.5)	Total/NA	Solid	3050B	
MB 480-549174/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-549174/15-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-549174/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 549519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173342-55	H05-DITCH-04 (2.0-2.5)	Total/NA	Solid	6010C	549174
MB 480-549174/1-A	Method Blank	Total/NA	Solid	6010C	549174
LCDSRM 480-549174/15-A	Lab Control Sample Dup	Total/NA	Solid	6010C	549174
LCSSRM 480-549174/2-A	Lab Control Sample	Total/NA	Solid	6010C	549174

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-173342-3
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: H05-DITCH-04 (2.0-2.5)
Lab Sample ID: 480-173342-55

Date Collected: 08/03/20 08:30
Matrix: Solid
Date Received: 08/05/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549174	09/12/20 16:47	ADM	TAL BUF
Total/NA	Analysis	6010C		1	549519	09/14/20 14:17	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173342-3
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-3

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173342-55	H05-DITCH-04 (2.0-2.5)	Solid	08/03/20 08:30	08/05/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.2
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 2 of 10~~ pg 1 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-173342 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number	Special Instructions/Note:
			Preservation Code:				N	N	N		
H04-DITCH-04(2.5-3.0)	7/30/20	1115	C	Solid			X			1	
H06-DITCH-01(0.5-1.0)	8/3/20	0705	C	Solid			X			1	
H05-DITCH-05(1.5-2.0)	7/29/20	1205	C	Solid			X			1	
H04-DITCH-02(3.0-3.5)	8/4/20	0900	C	Solid			X			1	
H03-DITCH-03(1.0-1.5)	8/3/20	0620	C	Solid			X			1	
H04-DITCH-04(3.0-3.5)	8/4/20	0940	C	Solid			X			1	
H03-DITCH-03(1.5-2.0)	8/3/20	0625	C	Solid			X			1	
H05-DITCH-05(1.0-1.5)	7/29/20	1200	C	Solid			X			1	
H05-DITCH-04(2.5-3.0)	8/3/20	0835	C	Solid			X			1	
H06-DITCH-01(0.0-0.5)	8/3/20	0700	C	Solid			X			1	
H06-DITCH-01(0.0-0.5)-MS/MSD	8/3/20	0700	C	Solid		X	X			2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-Syr
2		8-4-20, 19:00	Syr		8/5/20 0800	TAS
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: #1 2.5, 2.8

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.1
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 1 of 10~~ pg 2 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H04-DITCH-02(3.5-4.0)	8/4/20	0905	C	Solid			X			1	
H04-DITCH-02(3.5-4.0)-MS/~~MSD~~	8/4/20	0905	C	Solid		X	X			2	
FD-080320-1	8/3/20	—	C	Solid			X			1	
FD-080420-1	8/4/20	—	C	Solid			X			1	
FD-080420-2	8/4/20	—	C	Solid			X			1	
				Solid							
				Solid							
RLF				Solid							
8-4-20				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1900			8/5/20 0800	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.12
Client Contact: Mark Flusche	Phone: 315-877-6920	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~12 of 19~~ pg 3 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H03-DITCH-02(0.5-1.0)	7/31/20	0725	C	Solid			X				HOLD
H04-DITCH-04(1.5-2.0)	7/29/20	0925	C	Solid			X				
H04-DITCH-04(1.0-1.5)	7/29/20	0920	C	Solid			X				
H06-DITCH-04(1.5-2.0)	8/3/20	0715	C	Solid			X				
H67-DITCH-03(1.0-1.5)	7/31/20	1040	C	Solid			X				
H06-DITCH-01(1.0-1.5)	8/3/20	0710	C	Solid			X				
H06-DITCH-02(1.5-2.0)	7/31/20	1145	C	Solid			X				
H03-DITCH-02(1.0-1.5)	7/31/20	0730	C	Solid			X				
H06-DITCH-04(1.5-2.0)	7/31/20	1000	C	Solid			X				
H06-DITCH-03(1.5-2.0)	7/31/20	0920	C	Solid			X				
H03-DITCH-02(1.5-2.0)	7/31/20	0735	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-Syr
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1900	Eyra	Wallace	8/5/20 0800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.5
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 5 of 19~~ pg 4 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H05-DITCH-01 (0.0-0.5)	7/30/20	1220	C	Solid			X				HOLD
H05-DITCH-03 (0.0-0.5)	7/30/20	1310	C	Solid			X				
H05-DITCH-01 (0.5-1.0)	7/30/20	1225	C	Solid			X				
H67-DITCH-03 (1.5-2.0)	7/31/20	1045	C	Solid			X				
H05-DITCH-03 (1.0-1.5)	7/30/20	1320	C	Solid			X				
H05-DITCH-03 (0.5-1.0)	7/30/20	1315	C	Solid			X				
H05-DITCH-02 (0.0-0.5)	7/30/20	1418	C	Solid			X				
H05-DITCH-02 (0.5-1.0)	7/30/20	1425	C	Solid			X				
H05-DITCH-02 (1.0-1.5)	7/30/20	1430	C	Solid			X				
H03-DITCH-01 (0.0-0.5)	07/31/20	0700	C	Solid			X				
H03-DITCH-01 (0.5-1.0)	7/31/20	0705	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/4/20 1800			8/4/20 1800	ES-SYR
2		8-4-20, 1900	Syr		8/5/20 0800	TAS
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Carrier Tracking No(s): Syracuse #225

COC No: 480-148488-32873.13

Page: Page ~~1 of 3~~ pg 5 of ~~5~~ 7 5 of 7

Job #: ~~5 of 5~~

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com	
Company: ARCADIS U.S. Inc			
Address: 855 Route 146 Suite 210	Due Date Requested:		
City: Clifton Park	TAT Requested (days): HOLD		
State, Zip: NY, 12065			
Phone: 518-250-7322(Tel)	PO #: VCRP026147		
Email: mark.flusche@arcadis-us.com	WO #:		
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H03-DITCH-02 (0.0-0.5)	7/31/20	0720	C	Solid			X				HOLD
H05-DITCH-04 (0.5-1.0)	7/29/20	1130	C	Solid			X				
H05-DITCH-04 (0.0-0.5)	7/29/20	1125	C	Solid			X				
H05-DITCH-05 (0.0-0.5)	7/29/20	1150	C	Solid			X				
H05-DITCH-05 (0.5-1.0)	7/29/20	1155	C	Solid			X				
H04-DITCH-02 (1.5-2.0)	7/28/20	1335	C	Solid			X				
H04-DITCH-02 (1.0-1.5)	7/28/20	1330	C	Solid			X				
H04-DITCH-01 (1.5-2.0)	7/29/20	1030	C	Solid			X				
H04-DITCH-05 (1.5-2.0)	7/29/20	0905	C	Solid			X				
H04-DITCH-05 (1.0-1.5)	7/29/20	0900	C	Solid			X				
H04-DITCH-01 (1.0-1.5)	7/29/20	1020	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by: Josh Sinay	8/4/20 1800	Arcadis	Received by:	8/4/20 1800	ES-SYR
Relinquished by:	8-4-20, 1905	Fedex	Received by: Ewallace	8/5/20 0800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.15
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 15 of 15~~ pg 6 of 7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H06-DITCH-03(1.0-1.5)	7/31/20	0915	C	Solid			X				HOLD
H06-DITCH-02(1.0-1.5)	7/31/20	1140	C	Solid			X				
H06-DITCH-04(1.0-1.5)	7/31/20	0955	C	Solid			X				
H05-DITCH-04(1.5-2.0)	7/29/20	1140	C	Solid			X				
H04-DITCH-04(2.0-2.5)	7/30/20	1110	C	Solid			X				
H04-DITCH-02(2.0-2.5)	7/30/20	0945	C	Solid			X				
H05-DITCH-04(1.0-1.5)	7/29/20	1135	C	Solid			X				
H05-DITCH-04(2.0-2.5)	8/3/20	0830	C	Solid			X				
H03-DITCH-03(0.5-1.0)	8/3/20	0615	C	Solid			X				
H04-DITCH-06(1.5-2.0)	7/29/20	1120	C	Solid			X				
H04-DITCH-06(1.0-1.5)	7/29/20	1115	C	Solid			X				HOLD

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1900		Cwallace	8/5/20 0800	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.16
Client Contact: Mark Flusche	Phone: 315-877-6728	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 18 of 19~~ pg 7of7
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): HOLD			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	X	
H04-DITCH-04(3.5-4.0)	8/4/20	0945	C	Solid			X				HOLD
H04-DITCH-02(2.5-3.0)	7/30/20	0950	C	Solid			X				
H03-DITCH-02(2.0-2.5)	7/31/20	0745	C	Solid			X				
H03-DITCH-03(0.0-0.5)	8/3/20	0610	C	Solid			X				
H04-DITCH-05(2.0-2.5)	7/30/20	1035	C	Solid			X				
H04-DITCH-05(2.5-3.0)	7/30/20	1040	C	Solid			X				HOLD
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/4/20 1800	Arcadis		8/4/20 1800	ES-SYR
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8-4-20, 1905	Eyn		8/5/20 0800	TA3
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173342-3

Login Number: 173342

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173681-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
8/18/2020 10:24:13 AM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-173681-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173681-1

Comments
No additional comments.

Receipt
The samples were received on 8/12/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

Receipt Exceptions
Limited volume was received for samples: HO67-DITCH-01 (0.5-1.0) (480-173681-1), HO67-DITCH-02 (0.5-1.0) (480-173681-2), HO67-DITCH-02 (0.5-1.0) (480-173681-2[MS]), HO67-DITCH-02 (0.5-1.0) (480-173681-2[MSD]), HO4-DITCH-02 (5.5-6.0) (480-173681-3), HO5-DITCH-03 (3.5-4.0) (480-173681-4), HO4-DITCH-05 (3.5-4.0) (480-173681-5), HO4-DITCH-05 (3.5-4.0) (480-173681-5[MS]), HO4-DITCH-05 (3.5-4.0) (480-173681-5[MSD]), HO7-DITCH-03 (0.5-1.0) (480-173681-6), HO3-DITCH-02 (4.5-5.0) (480-173681-7), FD-080620-1 (480-173681-8), HO7-DITCH-04 (1.0-1.5) (480-173681-9), HO7-DITCH-04 (1.0-1.5) (480-173681-9[MS]), HO7-DITCH-04 (1.0-1.5) (480-173681-9[MSD]), HO67-DITCH-04 (0.5-1.0) (480-173681-10), HO67-DITCH-04 (0.5-1.0) (480-173681-10[MS]), HO67-DITCH-04 (0.5-1.0) (480-173681-10[MSD]), FD-080720-1 (480-173681-11), HO67-DITCH-05 (0.0-0.5) (480-173681-12), HO67-DITCH-06 (0.0-0.5) (480-173681-13), HO67-DITCH-02 (0.0-0.5) (480-173681-14), FD-081020-1 (480-173681-15), HO67-DITCH-07 (0.0-0.5) (480-173681-16), HO4-DITCH-06 (3.5-4.0) (480-173681-17), HO5-DITCH-01 (2.0-2.5) (480-173681-18), HO67-DITCH-01 (0.0-0.5) (480-173681-19), HO4-DITCH-02 (5.0-5.5) (480-173681-20), HO5-DITCH-03 (3.0-3.5) (480-173681-21), HO4-DITCH-05 (3.0-3.5) (480-173681-22), HO7-DITCH-03 (0.0-0.5) (480-173681-23), HO3-DITCH-02 (4.0-4.5) (480-173681-24), HO7-DITCH-04 (0.5-1.0) (480-173681-25), HO67-DITCH-04 (0.0-0.5) (480-173681-26), HO4-DITCH-06 (3.0-3.5) (480-173681-27) and HO5-DITCH-01 (2.0-2.5) (480-173681-28) Due to the limited volume, dry weight was not performed on these samples.

Metals
Method 6010C: The Serial Dilution and Post Spike (480-173681-A-2-A PDS) and (480-173681-A-2-A SD ^5) exceeded the quality control limits for Total Cadmium. Sample matrix is suspected, therefore, no corrective action was necessary.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: HO67-DITCH-01 (0.5-1.0) — Lab Sample ID: 480-173681-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.0		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO67-DITCH-02 (0.5-1.0) — Lab Sample ID: 480-173681-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.2		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO4-DITCH-02 (5.5-6.0) — Lab Sample ID: 480-173681-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	57.0		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO5-DITCH-03 (3.5-4.0) — Lab Sample ID: 480-173681-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.5		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO4-DITCH-05 (3.5-4.0) — Lab Sample ID: 480-173681-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	9.1		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO7-DITCH-03 (0.5-1.0) — Lab Sample ID: 480-173681-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.42		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO3-DITCH-02 (4.5-5.0) — Lab Sample ID: 480-173681-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.1		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-080620-1 — Lab Sample ID: 480-173681-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.9		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO7-DITCH-04 (1.0-1.5) — Lab Sample ID: 480-173681-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.34	F1	0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO67-DITCH-04 (0.5-1.0) — Lab Sample ID: 480-173681-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.39	F1	0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-080720-1 — Lab Sample ID: 480-173681-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.30		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO67-DITCH-05 (0.0-0.5) — Lab Sample ID: 480-173681-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	5.4		0.21		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: HO67-DITCH-06 (0.0-0.5) — Lab Sample ID: 480-173681-13

No Detections.

Client Sample ID: HO67-DITCH-02 (0.0-0.5) — Lab Sample ID: 480-173681-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.9		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: FD-081020-1 — Lab Sample ID: 480-173681-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	4.7		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO67-DITCH-07 (0.0-0.5) — Lab Sample ID: 480-173681-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.40		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO4-DITCH-06 (3.5-4.0) — Lab Sample ID: 480-173681-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	406		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO5-DITCH-01 (2.0-2.5) — Lab Sample ID: 480-173681-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	7.0		0.20		mg/Kg	1		6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HO67-DITCH-01 (0.5-1.0)

Lab Sample ID: 480-173681-1
Date Collected: 08/10/20 08:50
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0		0.19		mg/Kg		08/13/20 15:50	08/17/20 12:50	1

Client Sample ID: HO67-DITCH-02 (0.5-1.0)

Lab Sample ID: 480-173681-2
Date Collected: 08/10/20 08:25
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.2		0.19		mg/Kg		08/13/20 15:50	08/17/20 12:54	1

Client Sample ID: HO4-DITCH-02 (5.5-6.0)

Lab Sample ID: 480-173681-3
Date Collected: 08/10/20 10:35
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	57.0		0.19		mg/Kg		08/13/20 15:50	08/17/20 13:13	1

Client Sample ID: HO5-DITCH-03 (3.5-4.0)

Lab Sample ID: 480-173681-4
Date Collected: 08/05/20 09:45
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.5		0.20		mg/Kg		08/13/20 15:50	08/17/20 13:29	1

Client Sample ID: HO4-DITCH-05 (3.5-4.0)

Lab Sample ID: 480-173681-5
Date Collected: 08/04/20 10:45
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	9.1		0.20		mg/Kg		08/13/20 15:50	08/17/20 13:33	1

Client Sample ID: HO7-DITCH-03 (0.5-1.0)

Lab Sample ID: 480-173681-6
Date Collected: 08/06/20 09:25
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.42		0.21		mg/Kg		08/13/20 15:50	08/17/20 13:45	1

Client Sample ID: HO3-DITCH-02 (4.5-5.0)

Lab Sample ID: 480-173681-7
Date Collected: 08/05/20 12:00
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.1		0.20		mg/Kg		08/13/20 15:50	08/17/20 13:49	1

Client Sample ID: FD-080620-1
Lab Sample ID: 480-173681-8
Date Collected: 08/06/20 00:00
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.9		0.20		mg/Kg		08/13/20 15:50	08/17/20 13:53	1

Client Sample ID: HO7-DITCH-04 (1.0-1.5)
Lab Sample ID: 480-173681-9
Date Collected: 08/06/20 09:50
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.34	F1	0.20		mg/Kg		08/13/20 15:50	08/17/20 13:57	1

Client Sample ID: HO67-DITCH-04 (0.5-1.0)
Lab Sample ID: 480-173681-10
Date Collected: 08/07/20 08:20
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.39	F1	0.20		mg/Kg		08/13/20 15:50	08/17/20 14:20	1

Client Sample ID: FD-080720-1
Lab Sample ID: 480-173681-11
Date Collected: 08/07/20 00:00
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.30		0.20		mg/Kg		08/13/20 15:50	08/17/20 14:31	1

Client Sample ID: HO67-DITCH-05 (0.0-0.5)
Lab Sample ID: 480-173681-12
Date Collected: 08/07/20 08:45
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	5.4		0.21		mg/Kg		08/13/20 15:50	08/17/20 14:35	1

Client Sample ID: HO67-DITCH-06 (0.0-0.5)
Lab Sample ID: 480-173681-13
Date Collected: 08/07/20 09:40
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/13/20 15:50	08/17/20 14:39	1

Client Sample ID: HO67-DITCH-02 (0.0-0.5)
Lab Sample ID: 480-173681-14
Date Collected: 08/10/20 08:20
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.9		0.20		mg/Kg		08/13/20 15:50	08/17/20 14:43	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: FD-081020-1

Lab Sample ID: 480-173681-15
Matrix: Solid
Date Collected: 08/10/20 00:00
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	4.7		0.20		mg/Kg		08/13/20 15:50	08/17/20 14:47	1

Client Sample ID: HO67-DITCH-07 (0.0-0.5)

Lab Sample ID: 480-173681-16
Matrix: Solid
Date Collected: 08/07/20 10:10
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.40		0.20		mg/Kg		08/13/20 15:50	08/17/20 15:02	1

Client Sample ID: HO4-DITCH-06 (3.5-4.0)

Lab Sample ID: 480-173681-17
Matrix: Solid
Date Collected: 08/06/20 11:05
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	406		0.20		mg/Kg		08/13/20 15:50	08/17/20 15:06	1

Client Sample ID: HO5-DITCH-01 (2.0-2.5)

Lab Sample ID: 480-173681-18
Matrix: Solid
Date Collected: 08/11/20 11:30
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	7.0		0.20		mg/Kg		08/13/20 15:50	08/17/20 15:10	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-545001/1-A
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545001

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/13/20 15:50	08/17/20 12:42	1

Lab Sample ID: LCSSRM 480-545001/2-A
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	125	112.2		mg/Kg		89.7	68.4 - 114.4

Lab Sample ID: 480-173681-2 MS
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO67-DITCH-02 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.2		38.4	29.88		mg/Kg		75	75 - 125

Lab Sample ID: 480-173681-2 MSD
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO67-DITCH-02 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.2		38.5	30.58		mg/Kg		76	75 - 125	2	20

Lab Sample ID: 480-173681-5 MS
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO4-DITCH-05 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	9.1		37.9	41.36		mg/Kg		85	75 - 125

Lab Sample ID: 480-173681-5 MSD
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO4-DITCH-05 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	9.1		38.3	43.45		mg/Kg		90	75 - 125	5	20

Lab Sample ID: 480-173681-9 MS
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO7-DITCH-04 (1.0-1.5)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.34	F1	39.4	27.11	F1	mg/Kg		68	75 - 125

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

Lab Sample ID: 480-173681-9 MSD
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO7-DITCH-04 (1.0-1.5)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.34	F1	39.3	26.71	F1	mg/Kg		67	75 - 125	1	20

Lab Sample ID: 480-173681-10 MS
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO67-DITCH-04 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	0.39	F1	39.2	29.36	F1	mg/Kg		74	75 - 125		

Lab Sample ID: 480-173681-10 MSD
Matrix: Solid
Analysis Batch: 545518

Client Sample ID: HO67-DITCH-04 (0.5-1.0)
Prep Type: Total/NA
Prep Batch: 545001

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.39	F1	39.7	29.87	F1	mg/Kg		74	75 - 125	2	20

Metals

Prep Batch: 545001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-1	HO67-DITCH-01 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-2	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-3	HO4-DITCH-02 (5.5-6.0)	Total/NA	Solid	3050B	
480-173681-4	HO5-DITCH-03 (3.5-4.0)	Total/NA	Solid	3050B	
480-173681-5	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	3050B	
480-173681-6	HO7-DITCH-03 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-7	HO3-DITCH-02 (4.5-5.0)	Total/NA	Solid	3050B	
480-173681-8	FD-080620-1	Total/NA	Solid	3050B	
480-173681-9	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	3050B	
480-173681-10	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-11	FD-080720-1	Total/NA	Solid	3050B	
480-173681-12	HO67-DITCH-05 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-13	HO67-DITCH-06 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-14	HO67-DITCH-02 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-15	FD-081020-1	Total/NA	Solid	3050B	
480-173681-16	HO67-DITCH-07 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-17	HO4-DITCH-06 (3.5-4.0)	Total/NA	Solid	3050B	
480-173681-18	HO5-DITCH-01 (2.0-2.5)	Total/NA	Solid	3050B	
MB 480-545001/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-545001/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-173681-2 MS	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-2 MSD	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-5 MS	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	3050B	
480-173681-5 MSD	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	3050B	
480-173681-9 MS	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	3050B	
480-173681-9 MSD	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	3050B	
480-173681-10 MS	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-10 MSD	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	3050B	

Analysis Batch: 545518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-1	HO67-DITCH-01 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-2	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-3	HO4-DITCH-02 (5.5-6.0)	Total/NA	Solid	6010C	545001
480-173681-4	HO5-DITCH-03 (3.5-4.0)	Total/NA	Solid	6010C	545001
480-173681-5	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	6010C	545001
480-173681-6	HO7-DITCH-03 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-7	HO3-DITCH-02 (4.5-5.0)	Total/NA	Solid	6010C	545001
480-173681-8	FD-080620-1	Total/NA	Solid	6010C	545001
480-173681-9	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	6010C	545001
480-173681-10	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-11	FD-080720-1	Total/NA	Solid	6010C	545001
480-173681-12	HO67-DITCH-05 (0.0-0.5)	Total/NA	Solid	6010C	545001
480-173681-13	HO67-DITCH-06 (0.0-0.5)	Total/NA	Solid	6010C	545001
480-173681-14	HO67-DITCH-02 (0.0-0.5)	Total/NA	Solid	6010C	545001
480-173681-15	FD-081020-1	Total/NA	Solid	6010C	545001
480-173681-16	HO67-DITCH-07 (0.0-0.5)	Total/NA	Solid	6010C	545001
480-173681-17	HO4-DITCH-06 (3.5-4.0)	Total/NA	Solid	6010C	545001
480-173681-18	HO5-DITCH-01 (2.0-2.5)	Total/NA	Solid	6010C	545001
MB 480-545001/1-A	Method Blank	Total/NA	Solid	6010C	545001
LCSSRM 480-545001/2-A	Lab Control Sample	Total/NA	Solid	6010C	545001

Metals (Continued)

Analysis Batch: 545518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-2 MS	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-2 MSD	HO67-DITCH-02 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-5 MS	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	6010C	545001
480-173681-5 MSD	HO4-DITCH-05 (3.5-4.0)	Total/NA	Solid	6010C	545001
480-173681-9 MS	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	6010C	545001
480-173681-9 MSD	HO7-DITCH-04 (1.0-1.5)	Total/NA	Solid	6010C	545001
480-173681-10 MS	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	6010C	545001
480-173681-10 MSD	HO67-DITCH-04 (0.5-1.0)	Total/NA	Solid	6010C	545001

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: HO67-DITCH-01 (0.5-1.0)
Lab Sample ID: 480-173681-1
Date Collected: 08/10/20 08:50
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 12:50	AMH	TAL BUF

Client Sample ID: HO67-DITCH-02 (0.5-1.0)
Lab Sample ID: 480-173681-2
Date Collected: 08/10/20 08:25
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 12:54	AMH	TAL BUF

Client Sample ID: HO4-DITCH-02 (5.5-6.0)
Lab Sample ID: 480-173681-3
Date Collected: 08/10/20 10:35
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:13	AMH	TAL BUF

Client Sample ID: HO5-DITCH-03 (3.5-4.0)
Lab Sample ID: 480-173681-4
Date Collected: 08/05/20 09:45
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:29	AMH	TAL BUF

Client Sample ID: HO4-DITCH-05 (3.5-4.0)
Lab Sample ID: 480-173681-5
Date Collected: 08/04/20 10:45
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:33	AMH	TAL BUF

Client Sample ID: HO7-DITCH-03 (0.5-1.0)
Lab Sample ID: 480-173681-6
Date Collected: 08/06/20 09:25
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:45	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: HO3-DITCH-02 (4.5-5.0)
Lab Sample ID: 480-173681-7
Date Collected: 08/05/20 12:00
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:49	AMH	TAL BUF

Client Sample ID: FD-080620-1
Lab Sample ID: 480-173681-8
Date Collected: 08/06/20 00:00
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:53	AMH	TAL BUF

Client Sample ID: HO7-DITCH-04 (1.0-1.5)
Lab Sample ID: 480-173681-9
Date Collected: 08/06/20 09:50
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 13:57	AMH	TAL BUF

Client Sample ID: HO67-DITCH-04 (0.5-1.0)
Lab Sample ID: 480-173681-10
Date Collected: 08/07/20 08:20
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:20	AMH	TAL BUF

Client Sample ID: FD-080720-1
Lab Sample ID: 480-173681-11
Date Collected: 08/07/20 00:00
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:31	AMH	TAL BUF

Client Sample ID: HO67-DITCH-05 (0.0-0.5)
Lab Sample ID: 480-173681-12
Date Collected: 08/07/20 08:45
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:35	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Client Sample ID: HO67-DITCH-06 (0.0-0.5)
Lab Sample ID: 480-173681-13
Date Collected: 08/07/20 09:40
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:39	AMH	TAL BUF

Client Sample ID: HO67-DITCH-02 (0.0-0.5)
Lab Sample ID: 480-173681-14
Date Collected: 08/10/20 08:20
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:43	AMH	TAL BUF

Client Sample ID: FD-081020-1
Lab Sample ID: 480-173681-15
Date Collected: 08/10/20 00:00
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 14:47	AMH	TAL BUF

Client Sample ID: HO67-DITCH-07 (0.0-0.5)
Lab Sample ID: 480-173681-16
Date Collected: 08/07/20 10:10
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 15:02	AMH	TAL BUF

Client Sample ID: HO4-DITCH-06 (3.5-4.0)
Lab Sample ID: 480-173681-17
Date Collected: 08/06/20 11:05
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 15:06	AMH	TAL BUF

Client Sample ID: HO5-DITCH-01 (2.0-2.5)
Lab Sample ID: 480-173681-18
Date Collected: 08/11/20 11:30
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545001	08/13/20 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545518	08/17/20 15:10	AMH	TAL BUF

Laboratory References:
TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173681-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173681-1	HO67-DITCH-01 (0.5-1.0)	Solid	08/10/20 08:50	08/12/20 08:00	
480-173681-2	HO67-DITCH-02 (0.5-1.0)	Solid	08/10/20 08:25	08/12/20 08:00	
480-173681-3	HO4-DITCH-02 (5.5-6.0)	Solid	08/10/20 10:35	08/12/20 08:00	
480-173681-4	HO5-DITCH-03 (3.5-4.0)	Solid	08/05/20 09:45	08/12/20 08:00	
480-173681-5	HO4-DITCH-05 (3.5-4.0)	Solid	08/04/20 10:45	08/12/20 08:00	
480-173681-6	HO7-DITCH-03 (0.5-1.0)	Solid	08/06/20 09:25	08/12/20 08:00	
480-173681-7	HO3-DITCH-02 (4.5-5.0)	Solid	08/05/20 12:00	08/12/20 08:00	
480-173681-8	FD-080620-1	Solid	08/06/20 00:00	08/12/20 08:00	
480-173681-9	HO7-DITCH-04 (1.0-1.5)	Solid	08/06/20 09:50	08/12/20 08:00	
480-173681-10	HO67-DITCH-04 (0.5-1.0)	Solid	08/07/20 08:20	08/12/20 08:00	
480-173681-11	FD-080720-1	Solid	08/07/20 00:00	08/12/20 08:00	
480-173681-12	HO67-DITCH-05 (0.0-0.5)	Solid	08/07/20 08:45	08/12/20 08:00	
480-173681-13	HO67-DITCH-06 (0.0-0.5)	Solid	08/07/20 09:40	08/12/20 08:00	
480-173681-14	HO67-DITCH-02 (0.0-0.5)	Solid	08/10/20 08:20	08/12/20 08:00	
480-173681-15	FD-081020-1	Solid	08/10/20 00:00	08/12/20 08:00	
480-173681-16	HO67-DITCH-07 (0.0-0.5)	Solid	08/07/20 10:10	08/12/20 08:00	
480-173681-17	HO4-DITCH-06 (3.5-4.0)	Solid	08/06/20 11:05	08/12/20 08:00	
480-173681-18	HO5-DITCH-01 (2.0-2.5)	Solid	08/11/20 11:30	08/12/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.18
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 19 of 19~~ pg 1 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 2 day TAT			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-173681 Chain of Custody

Preservation Codes:
A - HCL
B - NaOH
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of conta	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-01(0.5-1.0)	8/10/20	0850	C	Solid			X			1	2 day TAT
H067-DITCH-02(0.5-1.0)	8/10/20	0825	C	Solid		X	X			3	2 day TAT
H04-DITCH-02(5.5-6.0)	8/10/20	1035	C	Solid			X			1	2 day TAT
H05-DITCH-03(3.5-4.0)	8/5/20	0945	C	Solid			X			1	2day TAT
H04-DITCH-05(3.5-4.0)	8/4/20	1045	C	Solid		X	X			3	2 day TAT
H07-DITCH-03(0.5-1.0)	8/6/20	0925	C	Solid			X			1	2 day TAT
H03-DITCH-02(4.5-5.0)	8/5/20	1200	C	Solid			X			1	2 day TAT
FD-080620-1	8/6/20	—	C	Solid			X			1	2 day TAT
H07-DITCH-04(1.0-1.5)	8/6/20	0950	C	Solid		X	X			3	2 day TAT
H067-DITCH-04(0.5-1.0)	8/7/20	0820	C	Solid		X	X			3	2 day TAT
FD-080720-1	8/7/20	—	C	Solid			X			1	2 day TAT

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/11/20 1745	Arcadis	[illegible]	8-11-20, 1745	Syr
2	[illegible]	8-11-20, 1905	Syr			
3				[illegible]	8/12/20 0800	TAT

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.19
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 18 of 19~~ pg 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 2 day TAT			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-05(0.0-0.5)	8/7/20	0845	C	Solid			X			1	2 day TAT
H067-DITCH-06(0.0-0.5)	8/7/20	0940	C	Solid			X			1	2 day TAT
H067-DITCH-02(0.0-0.5)	8/10/20	0820	C	Solid			X			1	2 day TAT
FD-081020-1	8/10/20	—	C	Solid			X			1	2 day TAT
H067-DITCH-07(0.0-0.5)	8/7/20	1010	C	Solid			X			1	2 day TAT
H04-DITCH-06(3.5-4.0)	8/6/20	1105	C	Solid			X			1	2 day TAT
H05-DITCH-01(2.0-2.5)	8/11/20	1130	C	Solid			X			1	2 day TAT
				Solid							
Re-				Solid							
8-11-20				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/11/20 1745	Arcadis	Reinglish	8-11-20, 1745	Syn
2	Reinglish	8-11-20, 1900	Syn	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: SB	Date/Time: 8/12/20 0800	Company TAS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.7#1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 17 of 19~~ 3 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-01(0.0-0.5)	8/10/20	0845	C	Solid			X				Standard TAT
H04-DITCH-02(5.0-5.5)	8/10/20	1030	C	Solid			X				
H05-DITCH-03(3.0-3.5)	8/5/20	0940	C	Solid			X				
H04-DITCH-05(3.0-3.5)	8/4/20	1040	C	Solid			X				
H07-DITCH-03(0.0-0.5)	8/6/20	0920	C	Solid			X				
H03-DITCH-02(4.0-4.5)	8/5/20	1155	C	Solid			X				
H07-DITCH-04(0.5-1.0)	8/6/20	0945	C	Solid			X				
H067-DITCH-04(0.0-0.5)	8/7/20	0815	C	Solid			X				
H04-DITCH-06(3.0-3.5)	8/6/20	1100	C	Solid			X				
H05-DITCH-01(2.0-2.5)	8/11/20	1130	C	Solid			X				Standard TAT
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	8/11/20 1745	ARCADIS	RENGlish	8-11-20, 17:45	Eurofins
2	RENGlish	8-11-20, 19:05	Eurofins		Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/12/20 0800	Company TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 #4

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173681-1

Login Number: 173681
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to job narrative for details
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-173681-2
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
8/21/2020 3:37:16 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Glossary

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

Job ID: 480-173681-2

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-173681-2

Comments
No additional comments.

Receipt
The samples were received on 8/12/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

Receipt Exceptions

Limited volume was received for samples: HO67-DITCH-01 (0.5-1.0) (480-173681-1), HO67-DITCH-02 (0.5-1.0) (480-173681-2), HO67-DITCH-02 (0.5-1.0) (480-173681-2[MS]), HO67-DITCH-02 (0.5-1.0) (480-173681-2[MSD]), HO4-DITCH-02 (5.5-6.0) (480-173681-3), HO5-DITCH-03 (3.5-4.0) (480-173681-4), HO4-DITCH-05 (3.5-4.0) (480-173681-5), HO4-DITCH-05 (3.5-4.0) (480-173681-5[MS]), HO4-DITCH-05 (3.5-4.0) (480-173681-5[MSD]), HO7-DITCH-03 (0.5-1.0) (480-173681-6), HO3-DITCH-02 (4.5-5.0) (480-173681-7), FD-080620-1 (480-173681-8), HO7-DITCH-04 (1.0-1.5) (480-173681-9), HO7-DITCH-04 (1.0-1.5) (480-173681-9[MS]), HO7-DITCH-04 (1.0-1.5) (480-173681-9[MSD]), HO67-DITCH-04 (0.5-1.0) (480-173681-10), HO67-DITCH-04 (0.5-1.0) (480-173681-10[MS]), HO67-DITCH-04 (0.5-1.0) (480-173681-10[MSD]), FD-080720-1 (480-173681-11), HO67-DITCH-05 (0.0-0.5) (480-173681-12), HO67-DITCH-06 (0.0-0.5) (480-173681-13), HO67-DITCH-02 (0.0-0.5) (480-173681-14), FD-081020-1 (480-173681-15), HO67-DITCH-07 (0.0-0.5) (480-173681-16), HO4-DITCH-06 (3.5-4.0) (480-173681-17), HO5-DITCH-01 (2.0-2.5) (480-173681-18), HO67-DITCH-01 (0.0-0.5) (480-173681-19), HO4-DITCH-02 (5.0-5.5) (480-173681-20), HO5-DITCH-03 (3.0-3.5) (480-173681-21), HO4-DITCH-05 (3.0-3.5) (480-173681-22), HO7-DITCH-03 (0.0-0.5) (480-173681-23), HO3-DITCH-02 (4.0-4.5) (480-173681-24), HO7-DITCH-04 (0.5-1.0) (480-173681-25), HO67-DITCH-04 (0.0-0.5) (480-173681-26), HO4-DITCH-06 (3.0-3.5) (480-173681-27) and HO5-DITCH-01 (2.0-2.5) (480-173681-28) Due to the limited volume, dry weight was not performed on these samples.

Metals
Method 6010C: Due to sample matrix effect on the internal standard (Yttrium), a dilution was required for the following samples: HO67-DITCH-01 (0.0-0.5) (480-173681-19), HO4-DITCH-05 (3.0-3.5) (480-173681-22), HO7-DITCH-03 (0.0-0.5) (480-173681-23) and HO67-DITCH-04 (0.0-0.5) (480-173681-26).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-2

Client Sample ID: HO67-DITCH-01 (0.0-0.5) — Lab Sample ID: 480-173681-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	168		2.0		mg/Kg	10		6010C	Total/NA

Client Sample ID: HO4-DITCH-02 (5.0-5.5) — Lab Sample ID: 480-173681-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	165		0.20		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO5-DITCH-03 (3.0-3.5) — Lab Sample ID: 480-173681-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	19.3		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO4-DITCH-05 (3.0-3.5) — Lab Sample ID: 480-173681-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1640		1.0		mg/Kg	5		6010C	Total/NA

Client Sample ID: HO7-DITCH-03 (0.0-0.5) — Lab Sample ID: 480-173681-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	86.3		1.9		mg/Kg	10		6010C	Total/NA

Client Sample ID: HO3-DITCH-02 (4.0-4.5) — Lab Sample ID: 480-173681-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	24.1		0.21		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO7-DITCH-04 (0.5-1.0) — Lab Sample ID: 480-173681-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	14.4		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO67-DITCH-04 (0.0-0.5) — Lab Sample ID: 480-173681-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	34.2		0.38		mg/Kg	2		6010C	Total/NA

Client Sample ID: HO4-DITCH-06 (3.0-3.5) — Lab Sample ID: 480-173681-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	395		0.19		mg/Kg	1		6010C	Total/NA

Client Sample ID: HO5-DITCH-01 (2.0-2.5) — Lab Sample ID: 480-173681-28

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: HO67-DITCH-01 (0.0-0.5)

Lab Sample ID: 480-173681-19

Date Collected: 08/10/20 08:45
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	168		2.0		mg/Kg		08/17/20 16:42	08/19/20 14:55	10

Client Sample ID: HO4-DITCH-02 (5.0-5.5)

Lab Sample ID: 480-173681-20

Date Collected: 08/10/20 10:30
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	165		0.20		mg/Kg		08/17/20 16:42	08/18/20 21:11	1

Client Sample ID: HO5-DITCH-03 (3.0-3.5)

Lab Sample ID: 480-173681-21

Date Collected: 08/05/20 09:40
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	19.3		0.21		mg/Kg		08/17/20 16:42	08/18/20 21:15	1

Client Sample ID: HO4-DITCH-05 (3.0-3.5)

Lab Sample ID: 480-173681-22

Date Collected: 08/04/20 10:40
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1640		1.0		mg/Kg		08/17/20 16:42	08/19/20 15:03	5

Client Sample ID: HO7-DITCH-03 (0.0-0.5)

Lab Sample ID: 480-173681-23

Date Collected: 08/06/20 09:20
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	86.3		1.9		mg/Kg		08/17/20 16:42	08/19/20 15:10	10

Client Sample ID: HO3-DITCH-02 (4.0-4.5)

Lab Sample ID: 480-173681-24

Date Collected: 08/05/20 11:55
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	24.1		0.21		mg/Kg		08/17/20 16:42	08/18/20 21:38	1

Client Sample ID: HO7-DITCH-04 (0.5-1.0)

Lab Sample ID: 480-173681-25

Date Collected: 08/06/20 09:45
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	14.4		0.19		mg/Kg		08/17/20 16:42	08/18/20 21:42	1

Client Sample ID: HO67-DITCH-04 (0.0-0.5)
Lab Sample ID: 480-173681-26
Date Collected: 08/07/20 08:15
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	34.2		0.38		mg/Kg		08/17/20 16:42	08/19/20 15:14	2

Client Sample ID: HO4-DITCH-06 (3.0-3.5)
Lab Sample ID: 480-173681-27
Date Collected: 08/06/20 11:00
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	395		0.19		mg/Kg		08/17/20 16:42	08/18/20 21:49	1

Client Sample ID: HO5-DITCH-01 (2.0-2.5)
Lab Sample ID: 480-173681-28
Date Collected: 08/11/20 11:30
Matrix: Solid
Date Received: 08/12/20 08:00

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		08/17/20 16:42	08/18/20 21:53	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-545248/1-A
Matrix: Solid
Analysis Batch: 545778

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 545248

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.19		mg/Kg		08/17/20 16:42	08/18/20 20:08	1

Lab Sample ID: LCSSRM 480-545248/2-A
Matrix: Solid
Analysis Batch: 545778

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 545248

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	110.8		mg/Kg		88.6	68.4 - 114.4		

Metals

Prep Batch: 545248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-19	HO67-DITCH-01 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-20	HO4-DITCH-02 (5.0-5.5)	Total/NA	Solid	3050B	
480-173681-21	HO5-DITCH-03 (3.0-3.5)	Total/NA	Solid	3050B	
480-173681-22	HO4-DITCH-05 (3.0-3.5)	Total/NA	Solid	3050B	
480-173681-23	HO7-DITCH-03 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-24	HO3-DITCH-02 (4.0-4.5)	Total/NA	Solid	3050B	
480-173681-25	HO7-DITCH-04 (0.5-1.0)	Total/NA	Solid	3050B	
480-173681-26	HO67-DITCH-04 (0.0-0.5)	Total/NA	Solid	3050B	
480-173681-27	HO4-DITCH-06 (3.0-3.5)	Total/NA	Solid	3050B	
480-173681-28	HO5-DITCH-01 (2.0-2.5)	Total/NA	Solid	3050B	
MB 480-545248/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-545248/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 545778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-20	HO4-DITCH-02 (5.0-5.5)	Total/NA	Solid	6010C	545248
480-173681-21	HO5-DITCH-03 (3.0-3.5)	Total/NA	Solid	6010C	545248
480-173681-24	HO3-DITCH-02 (4.0-4.5)	Total/NA	Solid	6010C	545248
480-173681-25	HO7-DITCH-04 (0.5-1.0)	Total/NA	Solid	6010C	545248
480-173681-27	HO4-DITCH-06 (3.0-3.5)	Total/NA	Solid	6010C	545248
480-173681-28	HO5-DITCH-01 (2.0-2.5)	Total/NA	Solid	6010C	545248
MB 480-545248/1-A	Method Blank	Total/NA	Solid	6010C	545248
LCSSRM 480-545248/2-A	Lab Control Sample	Total/NA	Solid	6010C	545248

Analysis Batch: 545996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-173681-19	HO67-DITCH-01 (0.0-0.5)	Total/NA	Solid	6010C	545248
480-173681-22	HO4-DITCH-05 (3.0-3.5)	Total/NA	Solid	6010C	545248
480-173681-23	HO7-DITCH-03 (0.0-0.5)	Total/NA	Solid	6010C	545248
480-173681-26	HO67-DITCH-04 (0.0-0.5)	Total/NA	Solid	6010C	545248

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-2

Client Sample ID: HO67-DITCH-01 (0.0-0.5)
Lab Sample ID: 480-173681-19
Date Collected: 08/10/20 08:45
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		10	545996	08/19/20 14:55	AMH	TAL BUF

Client Sample ID: HO4-DITCH-02 (5.0-5.5)
Lab Sample ID: 480-173681-20
Date Collected: 08/10/20 10:30
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:11	AMH	TAL BUF

Client Sample ID: HO5-DITCH-03 (3.0-3.5)
Lab Sample ID: 480-173681-21
Date Collected: 08/05/20 09:40
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:15	AMH	TAL BUF

Client Sample ID: HO4-DITCH-05 (3.0-3.5)
Lab Sample ID: 480-173681-22
Date Collected: 08/04/20 10:40
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		5	545996	08/19/20 15:03	AMH	TAL BUF

Client Sample ID: HO7-DITCH-03 (0.0-0.5)
Lab Sample ID: 480-173681-23
Date Collected: 08/06/20 09:20
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		10	545996	08/19/20 15:10	AMH	TAL BUF

Client Sample ID: HO3-DITCH-02 (4.0-4.5)
Lab Sample ID: 480-173681-24
Date Collected: 08/05/20 11:55
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:38	AMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-173681-2
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: HO7-DITCH-04 (0.5-1.0)
Lab Sample ID: 480-173681-25
Date Collected: 08/06/20 09:45
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:42	AMH	TAL BUF

Client Sample ID: HO67-DITCH-04 (0.0-0.5)
Lab Sample ID: 480-173681-26
Date Collected: 08/07/20 08:15
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		2	545996	08/19/20 15:14	AMH	TAL BUF

Client Sample ID: HO4-DITCH-06 (3.0-3.5)
Lab Sample ID: 480-173681-27
Date Collected: 08/06/20 11:00
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:49	AMH	TAL BUF

Client Sample ID: HO5-DITCH-01 (2.0-2.5)
Lab Sample ID: 480-173681-28
Date Collected: 08/11/20 11:30
Matrix: Solid
Date Received: 08/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			545248	08/17/20 16:42	ADM	TAL BUF
Total/NA	Analysis	6010C		1	545778	08/18/20 21:53	AMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-173681-2
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-2

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173681-19	HO67-DITCH-01 (0.0-0.5)	Solid	08/10/20 08:45	08/12/20 08:00	
480-173681-20	HO4-DITCH-02 (5.0-5.5)	Solid	08/10/20 10:30	08/12/20 08:00	
480-173681-21	HO5-DITCH-03 (3.0-3.5)	Solid	08/05/20 09:40	08/12/20 08:00	
480-173681-22	HO4-DITCH-05 (3.0-3.5)	Solid	08/04/20 10:40	08/12/20 08:00	
480-173681-23	HO7-DITCH-03 (0.0-0.5)	Solid	08/06/20 09:20	08/12/20 08:00	
480-173681-24	HO3-DITCH-02 (4.0-4.5)	Solid	08/05/20 11:55	08/12/20 08:00	
480-173681-25	HO7-DITCH-04 (0.5-1.0)	Solid	08/06/20 09:45	08/12/20 08:00	
480-173681-26	HO67-DITCH-04 (0.0-0.5)	Solid	08/07/20 08:15	08/12/20 08:00	
480-173681-27	HO4-DITCH-06 (3.0-3.5)	Solid	08/06/20 11:00	08/12/20 08:00	
480-173681-28	HO5-DITCH-01 (2.0-2.5)	Solid	08/11/20 11:30	08/12/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.18
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 15 of 18~~ pg 1 of 3
Company: ARCADIS U.S. Inc		Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Clifton Park	TAT Requested (days): 2 day TAT			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			Other:
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-173681 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of conta	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-01(0.5-1.0)	8/10/20	0850	C	Solid			X			1	2 day TAT
H067-DITCH-02(0.5-1.0)	8/10/20	0825	C	Solid		X	X			3	2 day TAT
H04-DITCH-02(5.5-6.0)	8/10/20	1035	C	Solid			X			1	2 day TAT
H05-DITCH-03(3.5-4.0)	8/5/20	0945	C	Solid			X			1	2day TAT
H04-DITCH-05(3.5-4.0)	8/4/20	1045	C	Solid		X	X			3	2 day TAT
H07-DITCH-03(0.5-1.0)	8/6/20	0925	C	Solid			X			1	2 day TAT
H03-DITCH-02(4.5-5.0)	8/5/20	1200	C	Solid			X			1	2 day TAT
FD-080620-1	8/6/20	—	C	Solid			X			1	2 day TAT
H07-DITCH-04(1.0-1.5)	8/6/20	0950	C	Solid		X	X			3	2 day TAT
H067-DITCH-04(0.5-1.0)	8/7/20	0820	C	Solid		X	X			3	2 day TAT
FD-080720-1	8/7/20	—	C	Solid			X			1	2 day TAT

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/11/20 1745	Arcadis	[signature]	8-11-20, 1745	Syr
2	[signature]	8-11-20, 1905	Syr			
3				[signature]	8/12/20 0800	TAT

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.3 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.19
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 18 of 19~~ pg 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 2 day TAT			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-05(0.0-0.5)	8/7/20	0845	C	Solid			X			1	2 day TAT
H067-DITCH-06(0.0-0.5)	8/7/20	0940	C	Solid			X			1	2 day TAT
H067-DITCH-02(0.0-0.5)	8/10/20	0820	C	Solid			X			1	2 day TAT
FD-081020-1	8/10/20	—	C	Solid			X			1	2 day TAT
H067-DITCH-07(0.0-0.5)	8/7/20	1010	C	Solid			X			1	2 day TAT
H04-DITCH-06(3.5-4.0)	8/6/20	1105	C	Solid			X			1	2 day TAT
H05-DITCH-01(2.0-2.5)	8/11/20	1130	C	Solid			X			1	2 day TAT
				Solid							
RE 8-11-20				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/11/20 1745	Arcadis	RE English	8-11-20, 1745	Syn
2	RE English	8-11-20, 1900	Syn			
3				SB	8/12/20 0800	TAR

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.7 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 17 of 18~~ 3 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H067-DITCH-01(0.0-0.5)	8/10/20	0845	C	Solid			X				Standard TAT
H04-DITCH-02(5.0-5.5)	8/10/20	1030	C	Solid			X				
H05-DITCH-03(3.0-3.5)	8/5/20	0940	C	Solid			X				
H04-DITCH-05(3.0-3.5)	8/4/20	1040	C	Solid			X				
H07-DITCH-03(0.0-0.5)	8/6/20	0920	C	Solid			X				
H03-DITCH-02(4.0-4.5)	8/5/20	1155	C	Solid			X				
H07-DITCH-04(0.5-1.0)	8/6/20	0945	C	Solid			X				
H067-DITCH-04(0.0-0.5)	8/7/20	0815	C	Solid			X				
H04-DITCH-06(3.0-3.5)	8/6/20	1100	C	Solid			X				
H05-DITCH-01(2.0-2.5)	8/11/20	1130	C	Solid			X				Standard TAT
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	8/11/20 1745	ARCADIS	RENglish	8-11-20, 17:45	Eyn
2	RENglish	8-11-20, 19:05	Eyn			
3					8/12/20 0800	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.3 #4

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-173681-2

Login Number: 173681
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to job narrative for details
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-174097-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
9/2/2020 5:43:49 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
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.
¤	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

Job ID: 480-174097-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-174097-1

Comments
No additional comments.

Receipt
The samples were received on 8/21/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

Metals
Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. H02-DITCH-06 (0.5-1.0)-TCLP (480-174097-7), H03-DITCH-03 (1.0-1.5)-TCLP (480-174097-8), (LB 480-546884/1-B), (LCS 480-547032/3-A), (MB 480-547032/2-A), (480-174097-A-8-C MS), (480-174097-A-8-D MSD), (480-174097-A-8-B PDS) and (480-174097-A-8-B SD ^5)

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. H04-DITCH-04 (0.5-1.0)-TCLP (480-174097-9), H05-DITCH-02 (1.5-2.0)-TCLP (480-174097-10), H05-DITCH-04 (0.0-0.5)-TCLP (480-174097-11), H07-DITCH-01 (0.0-0.5)-TCLP (480-174097-13), H067-DITCH-03 (0.0-0.5)-TCLP (480-174097-14), WC-081820-1 (480-174097-15), (LB 480-547422/1-B), (LCS 480-547639/3-A) and (MB 480-547639/2-A)

Method 6010C: The continuing calibration blank (CCB 480-546826/52) contained Total Cadmium above the reporting limit (RL). All reported samples H04-DITCH-03 (2.5-3.0) (480-174097-5[MSD]), FD-081820-1 (480-174097-6), H02-DITCH-06 (0.5-1.0)-TCLP (480-174097-7), H03-DITCH-03 (1.0-1.5)-TCLP (480-174097-8), H04-DITCH-04 (0.5-1.0)-TCLP (480-174097-9), H05-DITCH-02 (1.5-2.0)-TCLP (480-174097-10), H06-DITCH-04 (0.0-0.5)-TCLP (480-174097-12), H07-DITCH-01 (0.0-0.5)-TCLP (480-174097-13) and H067-DITCH-03 (0.0-0.5)-TCLP (480-174097-14) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010C: The low level continuing calibration verification (CCVL 480-546826/53) recovered above the upper control limit for Total Cadmium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples H04-DITCH-03 (2.5-3.0) (480-174097-5[MSD]), FD-081820-1 (480-174097-6), H02-DITCH-06 (0.5-1.0)-TCLP (480-174097-7), H03-DITCH-03 (1.0-1.5)-TCLP (480-174097-8), H04-DITCH-04 (0.5-1.0)-TCLP (480-174097-9), H05-DITCH-02 (1.5-2.0)-TCLP (480-174097-10), H06-DITCH-04 (0.0-0.5)-TCLP (480-174097-12), H07-DITCH-01 (0.0-0.5)-TCLP (480-174097-13) and H067-DITCH-03 (0.0-0.5)-TCLP (480-174097-14) was not performed.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Client Sample ID: H05-DITCH-02 (4.5-5.0) — Lab Sample ID: 480-174097-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	18.4		0.20		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: H05-DITCH-02 (5.0-5.5) — Lab Sample ID: 480-174097-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	14.8		0.20		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: H067-DITCH-08 (0.0-0.5) — Lab Sample ID: 480-174097-3

No Detections.

Client Sample ID: H04-DITCH-03 (2.0-2.5) — Lab Sample ID: 480-174097-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	17.9		0.20		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: H04-DITCH-03 (2.5-3.0) — Lab Sample ID: 480-174097-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	8.0		0.21		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: FD-081820-1 — Lab Sample ID: 480-174097-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	19.7	^	0.20		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP — Lab Sample ID: 480-174097-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	142	^	0.23		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.3		0.0020		mg/L	1		6010C	TCLP

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP — Lab Sample ID: 480-174097-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	420	^	0.23		mg/Kg	1	☼	6010C	Total/NA
Barium	1.9	^	1.0		mg/L	1		6010C	TCLP
Cadmium	2.7		0.0020		mg/L	1		6010C	TCLP
Lead	0.071		0.020		mg/L	1		6010C	TCLP

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP — Lab Sample ID: 480-174097-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	489	^	0.24		mg/Kg	1	☼	6010C	Total/NA
Barium	3.0	^	1.0		mg/L	1		6010C	TCLP
Cadmium	8.4		0.0040		mg/L	2		6010C	TCLP
Lead	0.040		0.020		mg/L	1		6010C	TCLP

Client Sample ID: H05-DITCH-02 (1.5-2.0)-TCLP — Lab Sample ID: 480-174097-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	85.8	^	0.25		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.4		0.0020		mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP — Lab Sample ID: 480-174097-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	24400		21.2		mg/Kg	50	☼	6010C	Total/NA
Barium	3.5	^	1.0		mg/L	1		6010C	TCLP
Cadmium	21.1		0.010		mg/L	5		6010C	TCLP
Chromium	0.088		0.020		mg/L	1		6010C	TCLP
Lead	0.68		0.020		mg/L	1		6010C	TCLP

Client Sample ID: H06-DITCH-04 (0.0-0.5)-TCLP — Lab Sample ID: 480-174097-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	35.3	^	0.27		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28		0.0020		mg/L	1		6010C	TCLP

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP — Lab Sample ID: 480-174097-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	44.9	^	0.28		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.16		0.0020		mg/L	1		6010C	TCLP

Client Sample ID: H067-DITCH-03 (0.0-0.5)-TCLP — Lab Sample ID: 480-174097-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	103	^	0.39		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.15		0.0020		mg/L	1		6010C	TCLP

Client Sample ID: WC-081820-1 — Lab Sample ID: 480-174097-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1.6	^	1.0		mg/L	1		6010C	TCLP
Cadmium	2.7		0.0020		mg/L	1		6010C	TCLP

This Detection Summary does not include radiochemical test results.

Client Sample ID: H05-DITCH-02 (4.5-5.0)

Lab Sample ID: 480-174097-1
Date Collected: 08/10/20 12:35
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**18.4**		0.20		mg/Kg	☼	08/24/20 17:49	08/25/20 20:55	1

Client Sample ID: H05-DITCH-02 (5.0-5.5)

Lab Sample ID: 480-174097-2
Date Collected: 08/12/20 10:30
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**14.8**		0.20		mg/Kg	☼	08/24/20 17:49	08/25/20 21:10	1

Client Sample ID: H067-DITCH-08 (0.0-0.5)

Lab Sample ID: 480-174097-3
Date Collected: 08/13/20 09:25
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg	☼	08/24/20 17:49	08/25/20 21:14	1

Client Sample ID: H04-DITCH-03 (2.0-2.5)

Lab Sample ID: 480-174097-4
Date Collected: 08/18/20 07:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 99.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**17.9**		0.20		mg/Kg	☼	08/24/20 17:49	08/25/20 21:34	1

Client Sample ID: H04-DITCH-03 (2.5-3.0)

Lab Sample ID: 480-174097-5
Date Collected: 08/18/20 07:05
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**8.0**		0.21		mg/Kg	☼	08/24/20 17:49	08/25/20 21:38	1

Client Sample ID: FD-081820-1

Lab Sample ID: 480-174097-6
Date Collected: 08/18/20 00:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**19.7**	**^**	0.20		mg/Kg	☼	08/24/20 17:49	08/25/20 22:01	1

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-7
Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		08/27/20 09:42	08/28/20 12:56	1
Barium	ND	^	1.0		mg/L		08/27/20 09:42	08/28/20 12:56	1
Cadmium	**1.3**		0.0020		mg/L		08/27/20 09:42	08/28/20 04:02	1
Chromium	ND		0.020		mg/L		08/27/20 09:42	08/28/20 04:02	1

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-7

Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.020		mg/L		08/27/20 09:42	08/28/20 04:02	1
Selenium	ND		0.025		mg/L		08/27/20 09:42	08/28/20 04:02	1
Silver	ND		0.0060		mg/L		08/27/20 09:42	08/28/20 12:56	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		08/27/20 12:32	08/27/20 16:05	1

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-7

Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 88.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**142**	^	0.23		mg/Kg	☼	08/24/20 17:49	08/25/20 22:04	1

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP

Lab Sample ID: 480-174097-8

Date Collected: 08/12/20 08:45
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		08/27/20 09:42	08/28/20 13:00	1
Barium	**1.9**	^	1.0		mg/L		08/27/20 09:42	08/28/20 13:00	1
Cadmium	**2.7**		0.0020		mg/L		08/27/20 09:42	08/28/20 04:06	1
Chromium	ND		0.020		mg/L		08/27/20 09:42	08/28/20 04:06	1
Lead	**0.071**		0.020		mg/L		08/27/20 09:42	08/28/20 04:06	1
Selenium	ND		0.025		mg/L		08/27/20 09:42	08/28/20 04:06	1
Silver	ND		0.0060		mg/L		08/27/20 09:42	08/28/20 13:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		08/27/20 12:32	08/27/20 16:06	1

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP

Lab Sample ID: 480-174097-8

Date Collected: 08/12/20 08:45
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 84.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**420**	^	0.23		mg/Kg	☼	08/24/20 17:49	08/25/20 22:08	1

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:27	1
Barium	**3.0**	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:27	1
Cadmium	**8.4**		0.0040		mg/L		09/01/20 10:40	09/02/20 00:46	2
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:27	1

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.040**		0.020		mg/L		09/01/20 10:40	09/01/20 21:27	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:27	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:48	1

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 82.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**489**	**^**	0.24		mg/Kg	☼	08/24/20 17:49	08/25/20 22:12	1

Client Sample ID: H05-DITCH-02 (1.5-2.0)-TCLP

Lab Sample ID: 480-174097-10

Date Collected: 08/10/20 12:40
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:31	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:31	1
Cadmium	**1.4**		0.0020		mg/L		09/01/20 10:40	09/01/20 21:31	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:31	1
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:31	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:31	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:31	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:49	1

Client Sample ID: H05-DITCH-02 (1.5-2.0)-TCLP

Lab Sample ID: 480-174097-10

Date Collected: 08/10/20 12:40
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 78.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**85.8**	**^**	0.25		mg/Kg	☼	08/24/20 17:49	08/25/20 22:16	1

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-11

Date Collected: 08/10/20 14:05
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:35	1
Barium	**3.5**	**^**	1.0		mg/L		09/01/20 10:40	09/01/20 21:35	1
Cadmium	**21.1**		0.010		mg/L		09/01/20 10:40	09/02/20 00:50	5
Chromium	**0.088**		0.020		mg/L		09/01/20 10:40	09/01/20 21:35	1

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-11

Date Collected: 08/10/20 14:05
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.68**		0.020		mg/L		09/01/20 10:40	09/01/20 21:35	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:35	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:51	1

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-11

Date Collected: 08/10/20 14:05
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 46.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**24400**		21.2		mg/Kg	☼	08/24/20 17:49	09/02/20 12:13	50

Client Sample ID: H06-DITCH-04 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-12

Date Collected: 08/11/20 13:05
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:39	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:39	1
Cadmium	**0.28**		0.0020		mg/L		09/01/20 10:40	09/01/20 21:39	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:39	1
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:39	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:39	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:39	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:55	1

Client Sample ID: H06-DITCH-04 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-12

Date Collected: 08/11/20 13:05
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 74.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**35.3**	**^**	0.27		mg/Kg	☼	08/24/20 17:49	08/25/20 22:25	1

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-13

Date Collected: 08/11/20 13:25
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:43	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:43	1
Cadmium	**0.16**		0.0020		mg/L		09/01/20 10:40	09/01/20 21:43	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:43	1

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-13

Date Collected: 08/11/20 13:25
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:43	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:43	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:56	1

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-13

Date Collected: 08/11/20 13:25
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 72.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**44.9**	^	0.28		mg/Kg	☼	08/24/20 17:49	08/25/20 22:28	1

Client Sample ID: H067-DITCH-03 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-14

Date Collected: 08/11/20 13:00
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:47	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:47	1
Cadmium	**0.15**		0.0020		mg/L		09/01/20 10:40	09/01/20 21:47	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:47	1
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:47	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:47	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:57	1

Client Sample ID: H067-DITCH-03 (0.0-0.5)-TCLP

Lab Sample ID: 480-174097-14

Date Collected: 08/11/20 13:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 51.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**103**	^	0.39		mg/Kg	☼	08/24/20 17:49	08/25/20 22:44	1

Client Sample ID: WC-081820-1

Lab Sample ID: 480-174097-15

Date Collected: 08/18/20 15:00
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 22:02	1
Barium	**1.6**	^	1.0		mg/L		09/01/20 10:40	09/01/20 22:02	1
Cadmium	**2.7**		0.0020		mg/L		09/01/20 10:40	09/01/20 22:02	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 22:02	1

Client: ARCADIS U.S. Inc
Job ID: 480-174097-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: WC-081820-1
Lab Sample ID: 480-174097-15
Date Collected: 08/18/20 15:00
Matrix: Solid
Date Received: 08/21/20 08:00

Method: 6010C - Metals (ICP) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 22:02	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 22:02	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 22:02	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:58	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-546494/1-A
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 546494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.19		mg/Kg		08/24/20 17:49	08/25/20 20:35	1

Lab Sample ID: LCSSRM 480-546494/2-A
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 546494

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	125	103.4		mg/Kg		82.7	68.4 - 114.4

Lab Sample ID: 480-174097-3 MS
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: H067-DITCH-08 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 546494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	ND		38.3	35.58		mg/Kg	☼	93	75 - 125

Lab Sample ID: 480-174097-3 MSD
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: H067-DITCH-08 (0.0-0.5)
Prep Type: Total/NA
Prep Batch: 546494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	ND		41.7	39.06		mg/Kg	☼	94	75 - 125	9	20

Lab Sample ID: 480-174097-5 MS
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: H04-DITCH-03 (2.5-3.0)
Prep Type: Total/NA
Prep Batch: 546494

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	8.0		40.9	44.68		mg/Kg	☼	90	75 - 125

Lab Sample ID: 480-174097-5 MSD
Matrix: Solid
Analysis Batch: 546826

Client Sample ID: H04-DITCH-03 (2.5-3.0)
Prep Type: Total/NA
Prep Batch: 546494

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	8.0		40.4	43.66	^	mg/Kg	☼	88	75 - 125	2	20

Lab Sample ID: MB 480-547032/2-A
Matrix: Solid
Analysis Batch: 547268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		08/27/20 09:42	08/28/20 03:23	1
Cadmium	ND		0.0020		mg/L		08/27/20 09:42	08/28/20 03:23	1
Chromium	ND		0.020		mg/L		08/27/20 09:42	08/28/20 03:23	1
Lead	ND		0.020		mg/L		08/27/20 09:42	08/28/20 03:23	1
Selenium	ND		0.025		mg/L		08/27/20 09:42	08/28/20 03:23	1

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

Lab Sample ID: MB 480-547032/2-A
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND	^	1.0		mg/L		08/27/20 09:42	08/28/20 12:06	1
Silver	ND		0.0060		mg/L		08/27/20 09:42	08/28/20 12:06	1

Lab Sample ID: LCS 480-547032/3-A
Matrix: Solid
Analysis Batch: 547268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.09		mg/L		109	80 - 120
Cadmium	1.00	1.06		mg/L		106	80 - 120
Chromium	1.00	1.06		mg/L		106	80 - 120
Lead	1.00	1.06		mg/L		106	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LCS 480-547032/3-A
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	1.00	0.995	J ^	mg/L		99	80 - 120
Silver	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: MB 480-547639/2-A
Matrix: Solid
Analysis Batch: 547841

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547639

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 21:00	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 21:00	1
Cadmium	ND		0.0020		mg/L		09/01/20 10:40	09/01/20 21:00	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:00	1
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 21:00	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 21:00	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 21:00	1

Lab Sample ID: LCS 480-547639/3-A
Matrix: Solid
Analysis Batch: 547841

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547639

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.02		mg/L		102	80 - 120
Barium	1.00	0.889	J ^	mg/L		89	80 - 120
Cadmium	1.00	0.941		mg/L		94	80 - 120
Chromium	1.00	1.01		mg/L		101	80 - 120
Lead	1.00	0.955		mg/L		96	80 - 120
Selenium	1.00	0.991		mg/L		99	80 - 120
Silver	1.00	0.973		mg/L		97	80 - 120

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

Lab Sample ID: LB 480-546884/1-B
Matrix: Solid
Analysis Batch: 547268

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 547032

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		08/27/20 09:42	08/28/20 03:19	1
Cadmium	ND		0.0020		mg/L		08/27/20 09:42	08/28/20 03:19	1
Chromium	ND		0.020		mg/L		08/27/20 09:42	08/28/20 03:19	1
Lead	ND		0.020		mg/L		08/27/20 09:42	08/28/20 03:19	1
Selenium	ND		0.025		mg/L		08/27/20 09:42	08/28/20 03:19	1

Lab Sample ID: LB 480-546884/1-B
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 547032

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND	^	1.0		mg/L		08/27/20 09:42	08/28/20 12:02	1
Silver	ND		0.0060		mg/L		08/27/20 09:42	08/28/20 12:02	1

Lab Sample ID: 480-174097-8 MS
Matrix: Solid
Analysis Batch: 547268

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	2.7		1.00	3.70		mg/L		104	75 - 125
Chromium	ND		1.00	1.01		mg/L		101	75 - 125
Lead	0.071		1.00	1.13		mg/L		106	75 - 125
Selenium	ND		1.00	1.03		mg/L		103	75 - 125

Lab Sample ID: 480-174097-8 MS
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.09		mg/L		109	75 - 125
Barium	1.9	^	1.00	2.86	^	mg/L		96	75 - 125
Silver	ND		1.00	1.06		mg/L		106	75 - 125

Lab Sample ID: 480-174097-8 MSD
Matrix: Solid
Analysis Batch: 547268

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	2.7		1.00	3.69		mg/L		103	75 - 125	0	20
Chromium	ND		1.00	1.02		mg/L		102	75 - 125	1	20
Lead	0.071		1.00	1.13		mg/L		106	75 - 125	0	20
Selenium	ND		1.00	1.04		mg/L		104	75 - 125	1	20

Lab Sample ID: 480-174097-8 MSD
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.10		mg/L		110	75 - 125	1	20
Barium	1.9	^	1.00	2.87	^	mg/L		98	75 - 125	1	20

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

Lab Sample ID: 480-174097-8 MSD
Matrix: Solid
Analysis Batch: 547261

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	ND		1.00	1.07		mg/L		107	75 - 125	1	20

Lab Sample ID: LB 480-547422/1-B
Matrix: Solid
Analysis Batch: 547841

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 547639

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015		mg/L		09/01/20 10:40	09/01/20 20:56	1
Barium	ND	^	1.0		mg/L		09/01/20 10:40	09/01/20 20:56	1
Cadmium	ND		0.0020		mg/L		09/01/20 10:40	09/01/20 20:56	1
Chromium	ND		0.020		mg/L		09/01/20 10:40	09/01/20 20:56	1
Lead	ND		0.020		mg/L		09/01/20 10:40	09/01/20 20:56	1
Selenium	ND		0.025		mg/L		09/01/20 10:40	09/01/20 20:56	1
Silver	ND		0.0060		mg/L		09/01/20 10:40	09/01/20 20:56	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-547063/2-A
Matrix: Solid
Analysis Batch: 547124

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		08/27/20 12:32	08/27/20 16:00	1

Lab Sample ID: LCS 480-547063/3-A
Matrix: Solid
Analysis Batch: 547124

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00663		mg/L		99	80 - 120

Lab Sample ID: MB 480-547678/2-A
Matrix: Solid
Analysis Batch: 547756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 547678

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:43	1

Lab Sample ID: LCS 480-547678/3-A
Matrix: Solid
Analysis Batch: 547756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 547678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00663		mg/L		99	80 - 120

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

Lab Sample ID: LB 480-546884/1-C
Matrix: Solid
Analysis Batch: 547124

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 547063

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		08/27/20 12:32	08/27/20 15:56	1

Lab Sample ID: 480-174097-8 MS
Matrix: Solid
Analysis Batch: 547124

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.00668	0.00565		mg/L		85	80 - 120		

Lab Sample ID: 480-174097-8 MSD
Matrix: Solid
Analysis Batch: 547124

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Prep Type: TCLP
Prep Batch: 547063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00585		mg/L		88	80 - 120	3	20

Lab Sample ID: LB 480-547422/1-C
Matrix: Solid
Analysis Batch: 547756

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 547678

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		09/01/20 12:35	09/01/20 16:41	1

Metals

Prep Batch: 546494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-1	H05-DITCH-02 (4.5-5.0)	Total/NA	Solid	3050B	
480-174097-2	H05-DITCH-02 (5.0-5.5)	Total/NA	Solid	3050B	
480-174097-3	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	3050B	
480-174097-4	H04-DITCH-03 (2.0-2.5)	Total/NA	Solid	3050B	
480-174097-5	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	3050B	
480-174097-6	FD-081820-1	Total/NA	Solid	3050B	
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	Total/NA	Solid	3050B	
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	Total/NA	Solid	3050B	
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	Total/NA	Solid	3050B	
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	Total/NA	Solid	3050B	
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	3050B	
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	3050B	
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	Total/NA	Solid	3050B	
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	Total/NA	Solid	3050B	
MB 480-546494/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-546494/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-174097-3 MS	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	3050B	
480-174097-3 MSD	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	3050B	
480-174097-5 MS	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	3050B	
480-174097-5 MSD	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	3050B	

Analysis Batch: 546826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-1	H05-DITCH-02 (4.5-5.0)	Total/NA	Solid	6010C	546494
480-174097-2	H05-DITCH-02 (5.0-5.5)	Total/NA	Solid	6010C	546494
480-174097-3	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	6010C	546494
480-174097-4	H04-DITCH-03 (2.0-2.5)	Total/NA	Solid	6010C	546494
480-174097-5	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	6010C	546494
480-174097-6	FD-081820-1	Total/NA	Solid	6010C	546494
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	Total/NA	Solid	6010C	546494
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	Total/NA	Solid	6010C	546494
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	Total/NA	Solid	6010C	546494
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	Total/NA	Solid	6010C	546494
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	6010C	546494
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	Total/NA	Solid	6010C	546494
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	Total/NA	Solid	6010C	546494
MB 480-546494/1-A	Method Blank	Total/NA	Solid	6010C	546494
LCSSRM 480-546494/2-A	Lab Control Sample	Total/NA	Solid	6010C	546494
480-174097-3 MS	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	6010C	546494
480-174097-3 MSD	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	6010C	546494
480-174097-5 MS	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	6010C	546494
480-174097-5 MSD	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	6010C	546494

Leach Batch: 546884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	1311	
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	1311	
LB 480-546884/1-B	Method Blank	TCLP	Solid	1311	
LB 480-546884/1-C	Method Blank	TCLP	Solid	1311	
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	1311	
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	1311	

Metals

Prep Batch: 547032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	3010A	546884
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	3010A	546884
LB 480-546884/1-B	Method Blank	TCLP	Solid	3010A	546884
MB 480-547032/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-547032/3-A	Lab Control Sample	Total/NA	Solid	3010A	
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	3010A	546884
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	3010A	546884

Prep Batch: 547063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	7470A	546884
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	546884
LB 480-546884/1-C	Method Blank	TCLP	Solid	7470A	546884
MB 480-547063/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-547063/3-A	Lab Control Sample	Total/NA	Solid	7470A	
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	546884
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	546884

Analysis Batch: 547124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	7470A	547063
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	547063
LB 480-546884/1-C	Method Blank	TCLP	Solid	7470A	547063
MB 480-547063/2-A	Method Blank	Total/NA	Solid	7470A	547063
LCS 480-547063/3-A	Lab Control Sample	Total/NA	Solid	7470A	547063
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	547063
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	7470A	547063

Analysis Batch: 547261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	6010C	547032
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032
LB 480-546884/1-B	Method Blank	TCLP	Solid	6010C	547032
MB 480-547032/2-A	Method Blank	Total/NA	Solid	6010C	547032
LCS 480-547032/3-A	Lab Control Sample	Total/NA	Solid	6010C	547032
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032

Analysis Batch: 547268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	TCLP	Solid	6010C	547032
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032
LB 480-546884/1-B	Method Blank	TCLP	Solid	6010C	547032
MB 480-547032/2-A	Method Blank	Total/NA	Solid	6010C	547032
LCS 480-547032/3-A	Lab Control Sample	Total/NA	Solid	6010C	547032
480-174097-8 MS	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032
480-174097-8 MSD	H03-DITCH-03 (1.0-1.5)-TCLP	TCLP	Solid	6010C	547032

Leach Batch: 547422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	1311	

Metals (Continued)

Leach Batch: 547422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	TCLP	Solid	1311	
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	1311	
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	1311	
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	TCLP	Solid	1311	
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	TCLP	Solid	1311	
480-174097-15	WC-081820-1	TCLP	Solid	1311	
LB 480-547422/1-B	Method Blank	TCLP	Solid	1311	
LB 480-547422/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 547639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	3010A	547422
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	TCLP	Solid	3010A	547422
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	3010A	547422
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	3010A	547422
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	TCLP	Solid	3010A	547422
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	TCLP	Solid	3010A	547422
480-174097-15	WC-081820-1	TCLP	Solid	3010A	547422
LB 480-547422/1-B	Method Blank	TCLP	Solid	3010A	547422
MB 480-547639/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-547639/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 547678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	7470A	547422
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	TCLP	Solid	7470A	547422
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547422
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547422
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547422
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547422
480-174097-15	WC-081820-1	TCLP	Solid	7470A	547422
LB 480-547422/1-C	Method Blank	TCLP	Solid	7470A	547422
MB 480-547678/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-547678/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 547756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	7470A	547678
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	TCLP	Solid	7470A	547678
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547678
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547678
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547678
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	TCLP	Solid	7470A	547678
480-174097-15	WC-081820-1	TCLP	Solid	7470A	547678
LB 480-547422/1-C	Method Blank	TCLP	Solid	7470A	547678
MB 480-547678/2-A	Method Blank	Total/NA	Solid	7470A	547678
LCS 480-547678/3-A	Lab Control Sample	Total/NA	Solid	7470A	547678

Analysis Batch: 547831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	6010C	547639

Metals (Continued)

Analysis Batch: 547831 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	6010C	547639

Analysis Batch: 547841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	TCLP	Solid	6010C	547639
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	TCLP	Solid	6010C	547639
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	6010C	547639
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	TCLP	Solid	6010C	547639
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	TCLP	Solid	6010C	547639
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	TCLP	Solid	6010C	547639
480-174097-15	WC-081820-1	TCLP	Solid	6010C	547639
LB 480-547422/1-B	Method Blank	TCLP	Solid	6010C	547639
MB 480-547639/2-A	Method Blank	Total/NA	Solid	6010C	547639
LCS 480-547639/3-A	Lab Control Sample	Total/NA	Solid	6010C	547639

Analysis Batch: 547921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	6010C	546494

General Chemistry

Analysis Batch: 547092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-174097-1	H05-DITCH-02 (4.5-5.0)	Total/NA	Solid	Moisture	
480-174097-2	H05-DITCH-02 (5.0-5.5)	Total/NA	Solid	Moisture	
480-174097-3	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	Moisture	
480-174097-4	H04-DITCH-03 (2.0-2.5)	Total/NA	Solid	Moisture	
480-174097-5	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	Moisture	
480-174097-6	FD-081820-1	Total/NA	Solid	Moisture	
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	Total/NA	Solid	Moisture	
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	Total/NA	Solid	Moisture	
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	Total/NA	Solid	Moisture	
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	Total/NA	Solid	Moisture	
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	Moisture	
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	Total/NA	Solid	Moisture	
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	Total/NA	Solid	Moisture	
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	Total/NA	Solid	Moisture	
480-174097-3 MS	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	Moisture	
480-174097-3 MSD	H067-DITCH-08 (0.0-0.5)	Total/NA	Solid	Moisture	
480-174097-5 MS	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	Moisture	
480-174097-5 MSD	H04-DITCH-03 (2.5-3.0)	Total/NA	Solid	Moisture	

Client Sample ID: H05-DITCH-02 (4.5-5.0) — **Lab Sample ID: 480-174097-1**
Date Collected: 08/10/20 12:35 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H05-DITCH-02 (4.5-5.0) — **Lab Sample ID: 480-174097-1**
Date Collected: 08/10/20 12:35 — **Matrix: Solid**
Date Received: 08/21/20 08:00 — **Percent Solids: 98.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 20:55	LMH	TAL BUF

Client Sample ID: H05-DITCH-02 (5.0-5.5) — **Lab Sample ID: 480-174097-2**
Date Collected: 08/12/20 10:30 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H05-DITCH-02 (5.0-5.5) — **Lab Sample ID: 480-174097-2**
Date Collected: 08/12/20 10:30 — **Matrix: Solid**
Date Received: 08/21/20 08:00 — **Percent Solids: 98.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 21:10	LMH	TAL BUF

Client Sample ID: H067-DITCH-08 (0.0-0.5) — **Lab Sample ID: 480-174097-3**
Date Collected: 08/13/20 09:25 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H067-DITCH-08 (0.0-0.5) — **Lab Sample ID: 480-174097-3**
Date Collected: 08/13/20 09:25 — **Matrix: Solid**
Date Received: 08/21/20 08:00 — **Percent Solids: 98.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 21:14	LMH	TAL BUF

Client Sample ID: H04-DITCH-03 (2.0-2.5) — **Lab Sample ID: 480-174097-4**
Date Collected: 08/18/20 07:00 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Client Sample ID: H04-DITCH-03 (2.0-2.5)

Lab Sample ID: 480-174097-4

Date Collected: 08/18/20 07:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 21:34	LMH	TAL BUF

Client Sample ID: H04-DITCH-03 (2.5-3.0)

Lab Sample ID: 480-174097-5

Date Collected: 08/18/20 07:05
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H04-DITCH-03 (2.5-3.0)

Lab Sample ID: 480-174097-5

Date Collected: 08/18/20 07:05
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 21:38	LMH	TAL BUF

Client Sample ID: FD-081820-1

Lab Sample ID: 480-174097-6

Date Collected: 08/18/20 00:00
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: FD-081820-1

Lab Sample ID: 480-174097-6

Date Collected: 08/18/20 00:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 98.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:01	LMH	TAL BUF

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP

Lab Sample ID: 480-174097-7

Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	3010A			547032	08/27/20 09:42	ADM	TAL BUF
TCLP	Analysis	6010C		1	547268	08/28/20 04:02	AMH	TAL BUF
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	3010A			547032	08/27/20 09:42	ADM	TAL BUF
TCLP	Analysis	6010C		1	547261	08/28/20 12:56	AMH	TAL BUF

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP
Lab Sample ID: 480-174097-7

Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	7470A			547063	08/27/20 12:32	BMB	TAL BUF
TCLP	Analysis	7470A		1	547124	08/27/20 16:05	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H02-DITCH-06 (0.5-1.0)-TCLP
Lab Sample ID: 480-174097-7

Date Collected: 08/12/20 11:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:04	LMH	TAL BUF

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Lab Sample ID: 480-174097-8

Date Collected: 08/12/20 08:45
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	3010A			547032	08/27/20 09:42	ADM	TAL BUF
TCLP	Analysis	6010C		1	547268	08/28/20 04:06	AMH	TAL BUF
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	3010A			547032	08/27/20 09:42	ADM	TAL BUF
TCLP	Analysis	6010C		1	547261	08/28/20 13:00	AMH	TAL BUF
TCLP	Leach	1311			546884	08/26/20 11:57	LMS	TAL BUF
TCLP	Prep	7470A			547063	08/27/20 12:32	BMB	TAL BUF
TCLP	Analysis	7470A		1	547124	08/27/20 16:06	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H03-DITCH-03 (1.0-1.5)-TCLP
Lab Sample ID: 480-174097-8

Date Collected: 08/12/20 08:45
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:08	LMH	TAL BUF

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP
Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:27	LMH	TAL BUF

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP
Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		2	547831	09/02/20 00:46	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:48	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H04-DITCH-04 (0.5-1.0)-TCLP
Lab Sample ID: 480-174097-9

Date Collected: 08/12/20 10:50
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:12	LMH	TAL BUF

Client Sample ID: H05-DITCH-02 (1.5-2.0)-TCLP
Lab Sample ID: 480-174097-10

Date Collected: 08/10/20 12:40
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:31	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:49	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H05-DITCH-02 (1.5-2.0)-TCLP
Lab Sample ID: 480-174097-10

Date Collected: 08/10/20 12:40
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:16	LMH	TAL BUF

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP
Lab Sample ID: 480-174097-11

Date Collected: 08/10/20 14:05
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:35	LMH	TAL BUF

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP — **Lab Sample ID: 480-174097-11**
Date Collected: 08/10/20 14:05 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		5	547831	09/02/20 00:50	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:51	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H05-DITCH-04 (0.0-0.5)-TCLP — **Lab Sample ID: 480-174097-11**
Date Collected: 08/10/20 14:05 — **Matrix: Solid**
Date Received: 08/21/20 08:00 — **Percent Solids: 46.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		50	547921	09/02/20 12:13	LMH	TAL BUF

Client Sample ID: H06-DITCH-04 (0.0-0.5)-TCLP — **Lab Sample ID: 480-174097-12**
Date Collected: 08/11/20 13:05 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:39	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:55	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H06-DITCH-04 (0.0-0.5)-TCLP — **Lab Sample ID: 480-174097-12**
Date Collected: 08/11/20 13:05 — **Matrix: Solid**
Date Received: 08/21/20 08:00 — **Percent Solids: 74.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:25	LMH	TAL BUF

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP — **Lab Sample ID: 480-174097-13**
Date Collected: 08/11/20 13:25 — **Matrix: Solid**
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:43	LMH	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-174097-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP
Lab Sample ID: 480-174097-13
Date Collected: 08/11/20 13:25
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:56	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H07-DITCH-01 (0.0-0.5)-TCLP
Lab Sample ID: 480-174097-13
Date Collected: 08/11/20 13:25
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:28	LMH	TAL BUF

Client Sample ID: H067-DITCH-03 (0.0-0.5)-TCLP
Lab Sample ID: 480-174097-14
Date Collected: 08/11/20 13:00
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 21:47	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:57	BMB	TAL BUF
Total/NA	Analysis	Moisture		1	547092	08/27/20 14:11	DSC	TAL BUF

Client Sample ID: H067-DITCH-03 (0.0-0.5)-TCLP
Lab Sample ID: 480-174097-14
Date Collected: 08/11/20 13:00
Matrix: Solid
Date Received: 08/21/20 08:00
Percent Solids: 51.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			546494	08/24/20 17:49	ADM	TAL BUF
Total/NA	Analysis	6010C		1	546826	08/25/20 22:44	LMH	TAL BUF

Client Sample ID: WC-081820-1
Lab Sample ID: 480-174097-15
Date Collected: 08/18/20 15:00
Matrix: Solid
Date Received: 08/21/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	3010A			547639	09/01/20 10:40	ADM	TAL BUF
TCLP	Analysis	6010C		1	547841	09/01/20 22:02	LMH	TAL BUF
TCLP	Leach	1311			547422	08/31/20 08:31	LMS	TAL BUF
TCLP	Prep	7470A			547678	09/01/20 12:35	BMB	TAL BUF
TCLP	Analysis	7470A		1	547756	09/01/20 16:58	BMB	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-174097-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

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
7470A	7470A	Solid	Mercury
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174097-1	H05-DITCH-02 (4.5-5.0)	Solid	08/10/20 12:35	08/21/20 08:00	
480-174097-2	H05-DITCH-02 (5.0-5.5)	Solid	08/12/20 10:30	08/21/20 08:00	
480-174097-3	H067-DITCH-08 (0.0-0.5)	Solid	08/13/20 09:25	08/21/20 08:00	
480-174097-4	H04-DITCH-03 (2.0-2.5)	Solid	08/18/20 07:00	08/21/20 08:00	
480-174097-5	H04-DITCH-03 (2.5-3.0)	Solid	08/18/20 07:05	08/21/20 08:00	
480-174097-6	FD-081820-1	Solid	08/18/20 00:00	08/21/20 08:00	
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	Solid	08/12/20 11:00	08/21/20 08:00	
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	Solid	08/12/20 08:45	08/21/20 08:00	
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	Solid	08/12/20 10:50	08/21/20 08:00	
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	Solid	08/10/20 12:40	08/21/20 08:00	
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	Solid	08/10/20 14:05	08/21/20 08:00	
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	Solid	08/11/20 13:05	08/21/20 08:00	
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	Solid	08/11/20 13:25	08/21/20 08:00	
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	Solid	08/11/20 13:00	08/21/20 08:00	
480-174097-15	WC-081820-1	Solid	08/18/20 15:00	08/21/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: Josh Sinn	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 17 of 19~~ pg 1 of 3
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested
City: Clifton Park	TAT Requested (days): Standard	
State, Zip: NY, 12065		
Phone: 518-250-7322(Tel)	PO #: VCRP026147	
Email: mark.flusche@arcadis-us.com	WO #:	
Project Name: GTEOSI - Seneca Falls	Project #: 48005146	
Site:	SSOW#:	

480-174097 Chain of Custody

Preservation Codes:
M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
I - Ice; J - DI Water; K - EDTA; L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
HO5-DITCH-02(4.5-5.0)	8/10/20	1235	C	Solid			X			1	
HO5-DITCH-02(5.0-5.5)	8/12/20	1030	C	Solid			X			1	
HO67-DITCH-08(0.0-0.5)-MS	8/13/20	0925	C	Solid		X	X			1	
HO67-DITCH-08(0.0-0.5)-MSD	8/13/20	0925	C	Solid		X	X			1	
HO67-DITCH-08(0.0-0.5)	8/13/20	0925	C	Solid		X	X			1	
HO4-DITCH-03(2.0-2.5)	8/18/20	0700	C	Solid			X			1	
HO4-DITCH-03(2.5-3.0)	8/18/20	0705	C	Solid		X	X			1	
HO4-DITCH-03(2.5-3.0)-MS/MSD	8/18/20	0705	C	Solid		X	X			2	
FD-081820-1	8/18/20	/	C	Solid			X			1	
RE 8.20.20				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Josh Sinn	Date/Time: 8/20/20 1640	Company: Arcadis	Received by:	Date/Time: 8/20/20 1640	Company: ES-SYR
Relinquished by:	Date/Time: 8-20-20, 1900	Company: Eyn	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 8/21/20 0800	Company: TAL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8 #1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): Syracuse #225	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 47 of 49~~ pg 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: VCRP026147			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	TCLP - Metals (method 6010 and 7471)	RCRA - Metals (Not TCLP metals)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N				
H02-DITCH-06(0.5-1.0)-TCLP	8/12/20	1100	C	Solid			X			X		2	
H03-DITCH-03(1.0-1.5)-TCLP	8/12/20	0845	C	Solid			X			X		2	
H04-DITCH-04(0.5-1.0)-TCLP	8/12/20	1050	C	Solid			X			X		2	
H05-DITCH-02(1.5-2.0)-TCLP	8/10/20	1240	C	Solid			X			X		2	
H05-DITCH-04(0.0-0.5)-TCLP	8/10/20	1405	C	Solid			X			X		2	
H06-DITCH-04(0.0-0.5)-TCLP	8/11/20	1305	C	Solid			X			X		2	
H07-DITCH-01(0.0-0.5)-TCLP	8/11/20	1325	C	Solid			X			X		2	
H067-DITCH-03(0.0-0.5)-TCLP	8/11/20	1300	C	Solid			X			X		2	
WC-081820-1	8/18/20	1500	C	Solid						X		1	
WC-081820-2	8/18/20	1505	C	Solid							X	1	HOLD
				Solid									

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Josh Sinay	8/20/20 1640	Arcadis		8/20/20 1640	ES-SYR
2		8-20-20, 1900	Eya			
3					8/21/20 0800	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse #225

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-877-6720	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 17 of 19~~ pg 3 of 3
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested
City: Clifton Park	TAT Requested (days): HOLD	
State, Zip: NY, 12065		
Phone: 518-250-7322(Tel)	PO #: VCRP026147	
Email: mark.flusche@arcadis-us.com	WO #:	
Project Name: GTEOSI - Seneca Falls	Project #: 48005146	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
H05-DITCH-02(4.0-4.5)	8/10/20	1230	C	Solid			X				HOLD
H067-DITCH-08(0.5-1.0)	8/13/20	0930	C	Solid			X				HOLD
H067-DITCH-08(1.0-1.5)	8/13/20	0935	C	Solid			X				HOLD
H067-DITCH-08(1.5-2.0)	8/13/20	0940	C	Solid			X				HOLD
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

AP 8/20/2020

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Sinay	8/20/20 1640	Arcadis		8/20/20 1640	ES-SV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	8.20.20, 1900				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				8/21/20 0800	TA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-174097-1

Login Number: 174097

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.8 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175031-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
9/21/2020 12:55:15 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-175031-1
Project/Site: GTEOSI - Seneca Falls

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-175031-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175031-1

Comments
No additional comments.

Receipt
The samples were received on 9/12/2020 8:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4° C.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175031-1

Client Sample ID: HO3-DITCH-03 (2.0-2.5) — Lab Sample ID: 480-175031-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	15.4	F1 F2	0.22		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: HO3-DITCH-03 (2.5-3.0) — Lab Sample ID: 480-175031-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.7		0.21		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: HO3-DITCH-03 (3.0-3.5) — Lab Sample ID: 480-175031-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.24		0.21		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: HO3-DITCH-03 (3.5-4.0) — Lab Sample ID: 480-175031-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	2.0		0.25		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: HO4-DITCH-01 (3.0-3.5) — Lab Sample ID: 480-175031-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	4.2		0.22		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: HO4-DITCH-01 (3.5-4.0) — Lab Sample ID: 480-175031-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	1.9		0.22		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: DUP-091120 — Lab Sample ID: 480-175031-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	4.5		0.21		mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: HO3-DITCH-03 (2.0-2.5) — **Lab Sample ID: 480-175031-1**
Date Collected: 09/11/20 13:40 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 89.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	15.4	F1 F2	0.22		mg/Kg	☼	09/15/20 17:19	09/16/20 15:57	1

Client Sample ID: HO3-DITCH-03 (2.5-3.0) — **Lab Sample ID: 480-175031-2**
Date Collected: 09/11/20 13:45 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 91.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.7		0.21		mg/Kg	☼	09/15/20 17:19	09/16/20 16:29	1

Client Sample ID: HO3-DITCH-03 (3.0-3.5) — **Lab Sample ID: 480-175031-3**
Date Collected: 09/11/20 13:50 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 90.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.24		0.21		mg/Kg	☼	09/15/20 17:19	09/16/20 16:33	1

Client Sample ID: HO3-DITCH-03 (3.5-4.0) — **Lab Sample ID: 480-175031-4**
Date Collected: 09/11/20 13:55 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 81.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0		0.25		mg/Kg	☼	09/15/20 17:19	09/16/20 16:37	1

Client Sample ID: HO4-DITCH-01 (3.0-3.5) — **Lab Sample ID: 480-175031-5**
Date Collected: 09/11/20 14:30 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 90.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	4.2		0.22		mg/Kg	☼	09/15/20 17:19	09/16/20 16:41	1

Client Sample ID: HO4-DITCH-01 (3.5-4.0) — **Lab Sample ID: 480-175031-6**
Date Collected: 09/11/20 14:45 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 91.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.9		0.22		mg/Kg	☼	09/15/20 17:19	09/16/20 16:45	1

Client Sample ID: DUP-091120 — **Lab Sample ID: 480-175031-7**
Date Collected: 09/11/20 00:00 — Matrix: Solid
Date Received: 09/12/20 08:00 — Percent Solids: 90.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	4.5		0.21		mg/Kg	☼	09/15/20 17:19	09/16/20 16:49	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-549589/1-A
Matrix: Solid
Analysis Batch: 549857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.19		mg/Kg		09/15/20 17:19	09/16/20 15:30	1

Lab Sample ID: LCSSRM 480-549589/2-A
Matrix: Solid
Analysis Batch: 549857

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549589

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	106.2		mg/Kg		85.0	68.4 - 114.4		

Lab Sample ID: 480-175031-1 MS
Matrix: Solid
Analysis Batch: 549857

Client Sample ID: HO3-DITCH-03 (2.0-2.5)
Prep Type: Total/NA
Prep Batch: 549589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	15.4	F1 F2	45.9	77.58	F1	mg/Kg	☼	136	75 - 125		

Lab Sample ID: 480-175031-1 MSD
Matrix: Solid
Analysis Batch: 549857

Client Sample ID: HO3-DITCH-03 (2.0-2.5)
Prep Type: Total/NA
Prep Batch: 549589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	15.4	F1 F2	43.7	44.92	F1 F2	mg/Kg	☼	68	75 - 125	53	20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175031-1

Metals

Prep Batch: 549589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175031-1	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	3050B	
480-175031-2	HO3-DITCH-03 (2.5-3.0)	Total/NA	Solid	3050B	
480-175031-3	HO3-DITCH-03 (3.0-3.5)	Total/NA	Solid	3050B	
480-175031-4	HO3-DITCH-03 (3.5-4.0)	Total/NA	Solid	3050B	
480-175031-5	HO4-DITCH-01 (3.0-3.5)	Total/NA	Solid	3050B	
480-175031-6	HO4-DITCH-01 (3.5-4.0)	Total/NA	Solid	3050B	
480-175031-7	DUP-091120	Total/NA	Solid	3050B	
MB 480-549589/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-549589/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-175031-1 MS	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	3050B	
480-175031-1 MSD	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	3050B	

Analysis Batch: 549857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175031-1	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	6010C	549589
480-175031-2	HO3-DITCH-03 (2.5-3.0)	Total/NA	Solid	6010C	549589
480-175031-3	HO3-DITCH-03 (3.0-3.5)	Total/NA	Solid	6010C	549589
480-175031-4	HO3-DITCH-03 (3.5-4.0)	Total/NA	Solid	6010C	549589
480-175031-5	HO4-DITCH-01 (3.0-3.5)	Total/NA	Solid	6010C	549589
480-175031-6	HO4-DITCH-01 (3.5-4.0)	Total/NA	Solid	6010C	549589
480-175031-7	DUP-091120	Total/NA	Solid	6010C	549589
MB 480-549589/1-A	Method Blank	Total/NA	Solid	6010C	549589
LCSSRM 480-549589/2-A	Lab Control Sample	Total/NA	Solid	6010C	549589
480-175031-1 MS	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	6010C	549589
480-175031-1 MSD	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	6010C	549589

General Chemistry

Analysis Batch: 549607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175031-1	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	Moisture	
480-175031-2	HO3-DITCH-03 (2.5-3.0)	Total/NA	Solid	Moisture	
480-175031-3	HO3-DITCH-03 (3.0-3.5)	Total/NA	Solid	Moisture	
480-175031-4	HO3-DITCH-03 (3.5-4.0)	Total/NA	Solid	Moisture	
480-175031-5	HO4-DITCH-01 (3.0-3.5)	Total/NA	Solid	Moisture	
480-175031-6	HO4-DITCH-01 (3.5-4.0)	Total/NA	Solid	Moisture	
480-175031-7	DUP-091120	Total/NA	Solid	Moisture	
480-175031-1 MS	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	Moisture	
480-175031-1 MSD	HO3-DITCH-03 (2.0-2.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-175031-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: HO3-DITCH-03 (2.0-2.5)
Lab Sample ID: 480-175031-1
Date Collected: 09/11/20 13:40
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: HO3-DITCH-03 (2.0-2.5)
Lab Sample ID: 480-175031-1
Date Collected: 09/11/20 13:40
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 15:57	AMH	TAL BUF

Client Sample ID: HO3-DITCH-03 (2.5-3.0)
Lab Sample ID: 480-175031-2
Date Collected: 09/11/20 13:45
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: HO3-DITCH-03 (2.5-3.0)
Lab Sample ID: 480-175031-2
Date Collected: 09/11/20 13:45
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:29	AMH	TAL BUF

Client Sample ID: HO3-DITCH-03 (3.0-3.5)
Lab Sample ID: 480-175031-3
Date Collected: 09/11/20 13:50
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: HO3-DITCH-03 (3.0-3.5)
Lab Sample ID: 480-175031-3
Date Collected: 09/11/20 13:50
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:33	AMH	TAL BUF

Client Sample ID: HO3-DITCH-03 (3.5-4.0)
Lab Sample ID: 480-175031-4
Date Collected: 09/11/20 13:55
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-175031-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: HO3-DITCH-03 (3.5-4.0)
Lab Sample ID: 480-175031-4
Date Collected: 09/11/20 13:55
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:37	AMH	TAL BUF

Client Sample ID: HO4-DITCH-01 (3.0-3.5)
Lab Sample ID: 480-175031-5
Date Collected: 09/11/20 14:30
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: HO4-DITCH-01 (3.0-3.5)
Lab Sample ID: 480-175031-5
Date Collected: 09/11/20 14:30
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:41	AMH	TAL BUF

Client Sample ID: HO4-DITCH-01 (3.5-4.0)
Lab Sample ID: 480-175031-6
Date Collected: 09/11/20 14:45
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: HO4-DITCH-01 (3.5-4.0)
Lab Sample ID: 480-175031-6
Date Collected: 09/11/20 14:45
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:45	AMH	TAL BUF

Client Sample ID: DUP-091120
Lab Sample ID: 480-175031-7
Date Collected: 09/11/20 00:00
Matrix: Solid
Date Received: 09/12/20 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-175031-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: DUP-091120
Lab Sample ID: 480-175031-7
Date Collected: 09/11/20 00:00
Matrix: Solid
Date Received: 09/12/20 08:00
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			549589	09/15/20 17:19	BEB	TAL BUF
Total/NA	Analysis	6010C		1	549857	09/16/20 16:49	AMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-175031-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175031-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175031-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175031-1	HO3-DITCH-03 (2.0-2.5)	Solid	09/11/20 13:40	09/12/20 08:00	
480-175031-2	HO3-DITCH-03 (2.5-3.0)	Solid	09/11/20 13:45	09/12/20 08:00	
480-175031-3	HO3-DITCH-03 (3.0-3.5)	Solid	09/11/20 13:50	09/12/20 08:00	
480-175031-4	HO3-DITCH-03 (3.5-4.0)	Solid	09/11/20 13:55	09/12/20 08:00	
480-175031-5	HO4-DITCH-01 (3.0-3.5)	Solid	09/11/20 14:30	09/12/20 08:00	
480-175031-6	HO4-DITCH-01 (3.5-4.0)	Solid	09/11/20 14:45	09/12/20 08:00	
480-175031-7	DUP-091120	Solid	09/11/20 00:00	09/12/20 08:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Syracuse

Client Information	Sampler: Josh Sinay	Lab PM: Schove, John R	Carrier Tracking No(s): #225	COC No: 480-148488-32873.17
Client Contact: Mark Flusche	Phone: 315-671-9171	E-Mail: John.Schove@Eurofinset.com		Page: ~~Page 17 of 19~~ pg 1 of 1
Company: ARCADIS U.S. Inc		Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): Standard			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12065	PO #: VCRP026147			
Phone: 518-250-7322(Tel)	WO #:			Other:
Email: mark.flusche@arcadis-us.com				
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site: Seneca Falls, NY	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Metals - Cadmium	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	containers	Instructions/Note:
			Preservation Code:				N	N	N		
HO3-DITCH-03(2.0-2.5)	9/11/20	1340	C	Solid			X				
HO3-DITCH-03(2.0-2.5)-MS/MSD		1340	C	Solid		X	X				
HO3-DITCH-03(2.5-3.0)		1345	C	Solid			X				
HO3-DITCH-03(3.0-3.5)		1350	C	Solid			X				
HO3-DITCH-03(3.5-4.0)		1355	C	Solid			X				
HO4-DITCH-01(3.0-3.5)		1430	C	Solid			X				
HO4-DITCH-01(3.5-4.0)	↓	1445	C	Solid			X				
DUP-091120	9/11/20	—	—	Solid			X				
				Solid							
RE				Solid							
9-11-20				Solid							

480-175031 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Josh Sinay	9/11/20 1710	Arcadis	Rutgers	9-11-20, 17:10	Eyn
2	RE	9-11-20, 19:00	Eyn			
3					9/12/20 800	TMB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.4 #1

Ver: 01/16/2019

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9/21/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175031-1

Login Number: 175031

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	arcadis
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177551-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/9/2020 5:27:34 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Glossary

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

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Job ID: 480-177551-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177551-1

Comments
No additional comments.

Receipt
The sample was received on 10/31/2020 10:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2° C.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Client Sample ID: PPE-102920 **Lab Sample ID: 480-177551-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: PPE-102920
Lab Sample ID: 480-177551-1
Date Collected: 10/29/20 18:00
Matrix: Solid
Date Received: 10/31/20 10:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 23:54	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-557810/2-A
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 22:34	1

Lab Sample ID: LCS 480-557810/3-A
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557810

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			1.00	1.02		mg/L		102	80 - 120		

Lab Sample ID: LB 480-557538/1-B
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557810

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 22:30	1

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Metals

Leach Batch: 557538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	1311	
LB 480-557538/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 557810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	3010A	557538
LB 480-557538/1-B	Method Blank	TCLP	Solid	3010A	557538
MB 480-557810/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-557810/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 558130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	6010C	557810
LB 480-557538/1-B	Method Blank	TCLP	Solid	6010C	557810
MB 480-557810/2-A	Method Blank	Total/NA	Solid	6010C	557810
LCS 480-557810/3-A	Lab Control Sample	Total/NA	Solid	6010C	557810

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: PPE-102920
Lab Sample ID: 480-177551-1
Date Collected: 10/29/20 18:00
Matrix: Solid
Date Received: 10/31/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			557538	11/05/20 08:51	LMS	TAL BUF
TCLP	Prep	3010A			557810	11/06/20 10:41	ADM	TAL BUF
TCLP	Analysis	6010C		1	558130	11/06/20 23:54	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177551-1	PPE-102920	Solid	10/29/20 18:00	10/31/20 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Mark Flusche	Site Contact: Q. Carnahan	Date: 10/29/2020	COC No: 1 of 1 COCs
Arcadis 855 Route 146 Suite 210 Clifton Park, NY 12065 518-250-7300 Phone 518-250-7301 FAX	Email: mark.flusche@arcadis.com Tel/Fax: 518-250-7322	Lab Contact:	Carrier: Fedex	TALS Project #: Sampler:
Project Name: Seneca Falls Site: Seneca Falls, NY PO# 30002755.00044	**Analysis Turnaround Time** ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from Below _____ ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day			**For Lab Use Only:** Walk-in Client: Lab Sampling: Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCLP Cadmium	Sample Specific Notes:
PPE-102920	10/29/20	1800	Comp	Solid	1			X	

480-177551 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

#1 4.2

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Quinn Carnahan	Arcadis	10/30/2020 1930		TAS	10/31/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

11/9/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177551-1

Login Number: 177551

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-178272-1
Client Project/Site: Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/24/2020 4:31:56 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Qualifiers

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-178272-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-178272-1

Comments
No additional comments.

Receipt
The samples were received on 11/17/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

Metals
Method 6010C: The serial dilution and post spike (480-178272-A-1-A PDS) and (480-178272-A-1-A SD ^5), associated with batch 480-560357, exceeded the quality control limits for Total Lead. Sample matrix is suspected, therefore, no corrective action was necessary.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Client Sample ID: H04-DITCH-04 (3.5-4.0) — Lab Sample ID: 480-178272-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	60.1	F1 F2	0.22		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: DUP-01-20201116 — Lab Sample ID: 480-178272-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	42.3		0.22		mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Client Sample ID: H04-DITCH-04 (3.5-4.0)
Date Collected: 11/16/20 09:15
Date Received: 11/17/20 10:00

Lab Sample ID: 480-178272-1
Matrix: Solid
Percent Solids: 90.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	60.1	F1 F2	0.22		mg/Kg	☼	11/23/20 08:35	11/23/20 23:30	1

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Client Sample ID: DUP-01-20201116
Date Collected: 11/16/20 00:00
Date Received: 11/17/20 10:00

Lab Sample ID: 480-178272-3
Matrix: Solid
Percent Solids: 91.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	42.3		0.22		mg/Kg	☼	11/23/20 08:35	11/23/20 23:50	1

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-560357/1-A
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 560357

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		11/23/20 08:35	11/23/20 23:11	1

Lab Sample ID: LCSSRM 480-560357/2-A
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 560357

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			125	103.5		mg/Kg		82.8	68.4 - 114.4		

Lab Sample ID: 480-178272-1 MS
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: H04-DITCH-04 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 560357

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	60.1	F1 F2	44.5	91.00	F1	mg/Kg	☼	70	75 - 125		

Lab Sample ID: 480-178272-1 MSD
Matrix: Solid
Analysis Batch: 560671

Client Sample ID: H04-DITCH-04 (3.5-4.0)
Prep Type: Total/NA
Prep Batch: 560357

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	60.1	F1 F2	45.0	71.59	F1 F2	mg/Kg	☼	26	75 - 125	24	20

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Metals

Prep Batch: 560357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-1	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	3050B	
480-178272-3	DUP-01-20201116	Total/NA	Solid	3050B	
MB 480-560357/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-560357/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-178272-1 MS	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	3050B	
480-178272-1 MSD	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	3050B	

Analysis Batch: 560671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-1	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	6010C	560357
480-178272-3	DUP-01-20201116	Total/NA	Solid	6010C	560357
MB 480-560357/1-A	Method Blank	Total/NA	Solid	6010C	560357
LCSSRM 480-560357/2-A	Lab Control Sample	Total/NA	Solid	6010C	560357
480-178272-1 MS	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	6010C	560357
480-178272-1 MSD	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	6010C	560357

General Chemistry

Analysis Batch: 559800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-1	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	Moisture	
480-178272-3	DUP-01-20201116	Total/NA	Solid	Moisture	
480-178272-1 MS	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	Moisture	
480-178272-1 MSD	H04-DITCH-04 (3.5-4.0)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Client Sample ID: H04-DITCH-04 (3.5-4.0)

Lab Sample ID: 480-178272-1

Date Collected: 11/16/20 09:15
Matrix: Solid
Date Received: 11/17/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	559800	11/18/20 17:12	IMZ	TAL BUF

Client Sample ID: H04-DITCH-04 (3.5-4.0)

Lab Sample ID: 480-178272-1

Date Collected: 11/16/20 09:15
Matrix: Solid
Date Received: 11/17/20 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/23/20 23:30	LMH	TAL BUF

Client Sample ID: DUP-01-20201116

Lab Sample ID: 480-178272-3

Date Collected: 11/16/20 00:00
Matrix: Solid
Date Received: 11/17/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	559800	11/18/20 17:24	IMZ	TAL BUF

Client Sample ID: DUP-01-20201116

Lab Sample ID: 480-178272-3

Date Collected: 11/16/20 00:00
Matrix: Solid
Date Received: 11/17/20 10:00
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			560357	11/23/20 08:35	ADM	TAL BUF
Total/NA	Analysis	6010C		1	560671	11/23/20 23:50	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178272-1	H04-DITCH-04 (3.5-4.0)	Solid	11/16/20 09:15	11/17/20 10:00	
480-178272-3	DUP-01-20201116	Solid	11/16/20 00:00	11/17/20 10:00	

Chain of Custody Record 491654

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Address: Test America Buffalo

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Mark Flusche	Site Contact: QCarnahan	Date: 11/16/2020	COC No: 1352798
Company Name: Arcadis	Tel/Email: mark.flusche@arcadis.com	Lab Contact:	Carrier: Fedex	1 of 1 COCs
Address: 855 Route 146 Suite 210	Analysis Turnaround Time			Sampler:
City/State/Zip: Clifton Park NY 12065	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 518-250-7300	TAT if different from Below _____			Walk-in Client:
Fax: 518-250-7301	☐ 2 weeks			Lab Sampling:
Project Name: Seneca Falls	☒ 1 week			
Site: Seneca Falls, NY	☐ 2 days			Job / SDG No.:
PO# 30002755	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Cadmium 6010	Sample Specific Notes:
HO4-DITCH-04 (3.5-4.0)'	11/16/20	0915	C	Soil	1			X	
HO4-DITCH-04 (4.0-4.5)'	11/16/20	0930	C	Soil	1			X	ON HOLD
DUP-01-20201116	11/16/20	—	C	Soil	1			X	
HO4-DITCH-04 (3.5-4.0)'-MS/MSD	11/16/20	0915	C	Soil	2		X	X	

480-178272 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.3 Corr'd: _____ | Therm ID No.: # IR-F

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Quinn Carnahan	Arcadis	11/16/2020 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: Andrew Cinolo	Company: TA	Date/Time: 11/17/20 1000

11/24/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-178272-1

Login Number: 178272

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-178272-2
Client Project/Site: Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
12/8/2020 1:03:32 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Glossary

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

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Job ID: 480-178272-2

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-178272-2

Comments
No additional comments.

Receipt
The samples were received on 11/17/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Client Sample ID: H04-DITCH-04 (4.0-4.5)

Lab Sample ID: 480-178272-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	28.5		0.21		mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Client Sample ID: H04-DITCH-04 (4.0-4.5)
Date Collected: 11/16/20 09:30
Date Received: 11/17/20 10:00

Lab Sample ID: 480-178272-2
Matrix: Solid
Percent Solids: 94.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	28.5		0.21		mg/Kg	☼	12/02/20 18:38	12/03/20 18:50	1

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-561688/1-A
Matrix: Solid
Analysis Batch: 561972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 561688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.20		mg/Kg		12/02/20 18:38	12/03/20 16:52	1

Lab Sample ID: LCSSRM 480-561688/2-A
Matrix: Solid
Analysis Batch: 561972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 561688

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			135	113.8		mg/Kg		84.3	74.8 - 124.4		

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Metals

Prep Batch: 561688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-2	H04-DITCH-04 (4.0-4.5)	Total/NA	Solid	3050B	
MB 480-561688/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-561688/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 561972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-2	H04-DITCH-04 (4.0-4.5)	Total/NA	Solid	6010C	561688
MB 480-561688/1-A	Method Blank	Total/NA	Solid	6010C	561688
LCSSRM 480-561688/2-A	Lab Control Sample	Total/NA	Solid	6010C	561688

General Chemistry

Analysis Batch: 561507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-178272-2	H04-DITCH-04 (4.0-4.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Client Sample ID: H04-DITCH-04 (4.0-4.5)

Lab Sample ID: 480-178272-2

Date Collected: 11/16/20 09:30

Matrix: Solid

Date Received: 11/17/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	561507	12/01/20 15:28	IMZ	TAL BUF

Client Sample ID: H04-DITCH-04 (4.0-4.5)

Lab Sample ID: 480-178272-2

Date Collected: 11/16/20 09:30

Matrix: Solid

Date Received: 11/17/20 10:00

Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			561688	12/02/20 18:38	ADM	TAL BUF
Total/NA	Analysis	6010C		1	561972	12/03/20 18:50	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-178272-2	H04-DITCH-04 (4.0-4.5)	Solid	11/16/20 09:30	11/17/20 10:00	

Chain of Custody Record 491654

eurofins | Environment Testing TestAmerica

Address: Test America Buffalo

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Mark Flusche	Site Contact: QCarnahan	Date: 11/16/2020	COC No: 1352798
Company Name: Arcadis	Tel/Email: mark.flusche@arcadis.com	Lab Contact:	Carrier: Fedex	1 of 1 COCs
Address: 855 Route 146 Suite 210	Analysis Turnaround Time			Sampler:
City/State/Zip: Clifton Park NY 12065	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 518-250-7300	TAT if different from Below _____			Walk-in Client:
Fax: 518-250-7301	☐ 2 weeks			Lab Sampling:
Project Name: Seneca Falls	☒ 1 week			
Site: Seneca Falls, NY	☐ 2 days			Job / SDG No.:
PO# 30002755	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Cadmium 6010	Sample Specific Notes:
HO4-DITCH-04 (3.5-4.0)'	11/16/20	0915	C	Soil	1			X	
HO4-DITCH-04 (4.0-4.5)'	11/16/20	0930	C	Soil	1			X	ON HOLD
DUP-01-20201116	11/16/20	—	C	Soil	1			X	
HO4-DITCH-04 (3.5-4.0)'-MS/MSD	11/16/20	0915	C	Soil	2		X	X	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.3 Corr'd: _____ | Therm ID No.: # IR-F

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Quinn Carnahan	Arcadis	11/16/2020 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
				TA	11/17/20 1000

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-178272-2

Login Number: 178272

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175093-1
Laboratory Sample Delivery Group: 480-175093-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
9/29/2020 12:18:22 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

Glossary

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

Job ID: 480-175093-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175093-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2020 10:00 AM, 9/16/2020 10:30 AM, 9/17/2020 10:00 AM, 9/18/2020 1:44 PM and 9/21/2020 12:00 PM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 3.4º C, 3.4º C, 3.6º C, 3.6º C and 4.1º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-549614 recovered above the upper control limit for Carbon tetrachloride and Vinyl chloride. The sample(s) associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-01(1) (480-175093-1), S-01(3.5) (480-175093-2), S-03(0.5) (480-175093-5), S-06(1.3) (480-175093-11), S-07(0.5) (480-175093-12), S-07(1.5) (480-175093-13), S-08(0.5) (480-175093-14) and S-08(1.3) (480-175093-15).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-549614 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Methylcyclohexane and Trichlorofluoromethane. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-01(1) (480-175093-1), S-01(3.5) (480-175093-2), S-03(0.5) (480-175093-5), S-06(1.3) (480-175093-11), S-07(0.5) (480-175093-12), S-07(1.5) (480-175093-13), S-08(0.5) (480-175093-14) and S-08(1.3) (480-175093-15).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-549700 recovered above the upper control limit for Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-04(0.4) (480-175093-7), S-04(0.7) (480-175093-8) and S-06(0.5) (480-175093-10).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: S-09(1.3) (480-175093-17), S-10(1) (480-175093-18), S-11(0.5) (480-175093-21), S-11(1.3) (480-175093-22), S-12(0.8) (480-175093-23), S-12(1.6) (480-175093-24), S-13(0.3) (480-175093-25), S-13(0.9) (480-175093-26), D-01 (29.3) (480-175162-2), D-01 (32.5) (480-175162-3[MS]), D-01 (32.5) (480-175162-3[MSD]), D-02 (25) (480-175162-4), D-02 (32) (480-175162-5), D-02 (33) (480-175162-6) and DUP-02_20200915 (480-175162-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: DUP-01_20200914 (480-175093-20) and S-05(0.6) (480-175093-27). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-549981 and analytical batch 480-550311 recovered outside control limits for the following analytes: Methylcyclohexane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: S-09(1.3) (480-175093-17), S-10(1) (480-175093-18), DUP-01_20200914 (480-175093-20), S-11(0.5) (480-175093-21), S-11(1.3) (480-175093-22), S-12(0.8) (480-175093-23), S-12(1.6) (480-175093-24), S-13(0.3) (480-175093-25), S-13(0.9) (480-175093-26), S-05(0.6) (480-175093-27), D-01 (29.3) (480-175162-2), D-01 (32.5) (480-175162-3), D-02 (25) (480-175162-4), D-02 (32) (480-175162-5), D-02 (33) (480-175162-6) and DUP-02_20200915 (480-175162-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-550359 recovered above the upper control limit for Trichlorofluoromethane. The sample(s) associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated sample is impacted: S-10(4) (480-175093-19).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-550340 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: S-02(1) (480-175093-4), S-03(0.5) (480-175093-5), S-03(1) (480-175093-6), S-05(1.3) (480-175093-9), S-07(1.5) (480-175093-13), S-08(0.5) (480-175093-14), S-08(1.3) (480-175093-15) and S-09(0.5) (480-175093-16).

Job ID: 480-175093-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-550340 was outside the method criteria for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. 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(s) is considered estimated. The associated sample is impacted: S-02(0.5) (480-175093-3).

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: S-02(1) (480-175093-4), S-03(0.5) (480-175093-5), S-03(1) (480-175093-6), S-05(1.3) (480-175093-9), S-05(1.3) (480-175093-9[MS]), S-05(1.3) (480-175093-9[MSD]), S-07(1.5) (480-175093-13), S-08(1.3) (480-175093-15) and S-09(0.5) (480-175093-16). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: S-02(0.5) (480-175093-3) and S-08(0.5) (480-175093-14). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the high concentration of Trichloroethene, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 480-550000 and analytical batch 480-550340 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. The associated samples are impacted: S-05(1.3) (480-175093-9[MS]) and S-05(1.3) (480-175093-9[MSD]).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-550000 and analytical batch 480-550340 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are impacted: S-05(1.3) (480-175093-9[MS]) and S-05(1.3) (480-175093-9[MSD]).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-550212 and analytical batch 480-550512 recovered outside control limits for the following analytes: Cyclohexane and methylcyclohexane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: D-03 (31.5) (480-175245-1), D-03 (35) (480-175245-2), D-04 (29.1) (480-175245-3), D-04 (29.8) (480-175245-4), D-04 (28.3) (480-175245-5), D-04 (28.8) (480-175245-6), D-01 (26) (480-175245-7), D-05 (29.5) (480-175335-1), D-05 (30.3) (480-175335-2), D-05 (32.8) (480-175335-3), D-06 (26.7) (480-175335-4), D-06 (34.5) (480-175335-5) and D-06 (37.6) (480-175335-6).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: S-02(0.5) (480-175093-3), D-03 (31.5) (480-175245-1), D-03 (35) (480-175245-2), D-04 (29.1) (480-175245-3), D-04 (29.8) (480-175245-4), D-04 (28.3) (480-175245-5), D-04 (28.8) (480-175245-6), D-01 (26) (480-175245-7), D-05 (29.5) (480-175335-1), D-05 (30.3) (480-175335-2), D-05 (32.8) (480-175335-3) and D-06 (37.6) (480-175335-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-06 (26.7) (480-175335-4) and D-06 (34.5) (480-175335-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-07 (18.5) (480-175335-7), D-08 (22) (480-175391-1) and DUP-03_20200918 (480-175391-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-09 (16.5) (480-175391-2), D-09 (16.5) (480-175391-2[MS]), D-09 (16.5) (480-175391-2[MSD]) and D-10 (29.5) (480-175391-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the abundance of target analytes : D-01 (32.5) (480-175162-3[MS]) and D-01 (32.5) (480-175162-3[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-550212 and analytical batch 480-550724 recovered outside control limits for the following analytes: Cyclohexane and Methylcyclohexane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-01(1) — Lab Sample ID: 480-175093-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	25	vs	5.7		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-01(3.5) — Lab Sample ID: 480-175093-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	6.4	vs	6.1		ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	8.7	vs	6.1		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	68	vs	6.1		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	20	vs	6.1		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-02(0.5) — Lab Sample ID: 480-175093-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	270		110		ug/Kg	1	☼	8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	240		110		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	500		110		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	150		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	34000	E	110		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	800		550		ug/Kg	5	☼	8260C	Total/NA
Trichloroethene - DL	49000		550		ug/Kg	5	☼	8260C	Total/NA

Client Sample ID: S-02(1) — Lab Sample ID: 480-175093-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8200		3400		ug/Kg	25	☼	8260C	Total/NA
Trichloroethene	320000		3400		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: S-03(0.5) — Lab Sample ID: 480-175093-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9.7	vs	5.2		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	300	E vs	5.2		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	19000		430		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: S-03(1) — Lab Sample ID: 480-175093-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	330000		6400		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: S-04(0.4) — Lab Sample ID: 480-175093-7

No Detections.

Client Sample ID: S-04(0.7) — Lab Sample ID: 480-175093-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	6.3	vs	5.2		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-05(1.3) — Lab Sample ID: 480-175093-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	260000		3000		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: S-06(0.5) — Lab Sample ID: 480-175093-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-06(1.3) — Lab Sample ID: 480-175093-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.5	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	37	vs	5.4		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-07(0.5) — Lab Sample ID: 480-175093-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	87	vs	5.3		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-07(1.5) — Lab Sample ID: 480-175093-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	70	vs	6.2		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	13	vs	6.2		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1900	E vs	6.2		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	5100		3400		ug/Kg	25	☼	8260C	Total/NA
Trichloroethene - DL	320000		3400		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: S-08(0.5) — Lab Sample ID: 480-175093-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7.0	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	240	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	5100		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-08(1.3) — Lab Sample ID: 480-175093-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	60	vs	6.2		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	7.3	vs	6.2		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1500	E vs	6.2		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	3900		2700		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene - DL	160000		2700		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: S-09(0.5) — Lab Sample ID: 480-175093-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	11000		200		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: S-09(1.3) — Lab Sample ID: 480-175093-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	660000		12000		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: S-10(1) — Lab Sample ID: 480-175093-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9400		5100		ug/Kg	40	☼	8260C	Total/NA
Trichloroethene	250000		5100		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: S-10(4) — Lab Sample ID: 480-175093-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	100	vs	29		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: DUP-01_20200914 — Lab Sample ID: 480-175093-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	640		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-11(0.5) — Lab Sample ID: 480-175093-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	780		210		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	9100		210		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: S-11(1.3) — Lab Sample ID: 480-175093-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	170000		2900		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: S-12(0.8) — Lab Sample ID: 480-175093-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	840		500		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	41000		500		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: S-12(1.6) — Lab Sample ID: 480-175093-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11000		7400		ug/Kg	50	☼	8260C	Total/NA
Trichloroethene	490000		7400		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: S-13(0.3) — Lab Sample ID: 480-175093-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	15000		420		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: S-13(0.9) — Lab Sample ID: 480-175093-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4200		900		ug/Kg	8	☼	8260C	Total/NA
Trichloroethene	49000		900		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: S-05(0.6) — Lab Sample ID: 480-175093-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	170		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8400		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-01 (29.3) — Lab Sample ID: 480-175162-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5000		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	1900		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	43000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-01 (32.5) — Lab Sample ID: 480-175162-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	9400	F1	1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	1600		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	50000		1100		ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-02 (25) — Lab Sample ID: 480-175162-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	2100		1100		ug/Kg	10	☼	8260C	Total/NA
cis-1,2-Dichloroethene	3000		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	1600		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	50000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-02 (32) — Lab Sample ID: 480-175162-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	13000		5800		ug/Kg	50	☼	8260C	Total/NA
Trichloroethene	230000		5800		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-02 (33) — Lab Sample ID: 480-175162-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	11000		2500		ug/Kg	20	☼	8260C	Total/NA
cis-1,2-Dichloroethene	2500		2500		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	86000		2500		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: DUP-02_20200915 — Lab Sample ID: 480-175162-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	7500		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	2300		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	60000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-03 (31.5) — Lab Sample ID: 480-175245-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	190000		3600		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-03 (35) — Lab Sample ID: 480-175245-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	27000		560		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-04 (29.1) — Lab Sample ID: 480-175245-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	10000000		120000		ug/Kg	1000	☼	8260C	Total/NA

Client Sample ID: D-04 (29.8) — Lab Sample ID: 480-175245-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	54000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-04 (28.3) — Lab Sample ID: 480-175245-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	86000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-04 (28.8) — Lab Sample ID: 480-175245-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	320000		9600		ug/Kg	80	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-01 (26) — Lab Sample ID: 480-175245-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1200		1200		ug/Kg	10	☼	8260C	Total/NA
cis-1,2-Dichloroethene	1600		1200		ug/Kg	10	☼	8260C	Total/NA
Toluene	1300		1200		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	45000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-05 (29.5) — Lab Sample ID: 480-175335-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4000		260		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	14000		260		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-05 (30.3) — Lab Sample ID: 480-175335-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8600		580		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	27000		580		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-05 (32.8) — Lab Sample ID: 480-175335-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1400		550		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	29000		550		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-06 (26.7) — Lab Sample ID: 480-175335-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	710		120		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	810		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-06 (34.5) — Lab Sample ID: 480-175335-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	290		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	2600		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-06 (37.6) — Lab Sample ID: 480-175335-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	730		430		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	15000		430		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-07 (18.5) — Lab Sample ID: 480-175335-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	120		120		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	860		120		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1300		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-08 (22) — Lab Sample ID: 480-175391-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	270		110		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	1500		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	4800		110		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-09 (16.5) — Lab Sample ID: 480-175391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	650		220		ug/Kg	2	☼	8260C	Total/NA
cis-1,2-Dichloroethene	3800	F1	220		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	12000		220		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-10 (29.5) — Lab Sample ID: 480-175391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4700		580		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	36000		580		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: DUP-03_20200918 — Lab Sample ID: 480-175391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	160		110		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	640		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1400		110		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-01(1)
Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-1
Matrix: Solid
Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,1,2-Trichloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,1-Dichloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,1-Dichloroethene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2,4-Trichlorobenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2-Dibromoethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2-Dichloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,2-Dichloropropane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,3-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
1,4-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
2-Hexanone	ND	vs	28		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Acetone	ND	vs	28		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Benzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Bromodichloromethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Bromoform	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Bromomethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Carbon disulfide	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Carbon tetrachloride	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Chlorobenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Chloroethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Chloroform	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Chloromethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
cis-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
cis-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Cyclohexane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Dibromochloromethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Dichlorodifluoromethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Ethylbenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Isopropylbenzene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methyl acetate	ND	vs	28		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methyl tert-butyl ether	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methylcyclohexane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Methylene Chloride	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Styrene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Tetrachloroethene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Toluene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
trans-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
trans-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Trichloroethene	**25**	**vs**	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Trichlorofluoromethane	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Vinyl chloride	ND	vs	5.7		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	09/15/20 15:55	09/15/20 22:50	1

Client Sample ID: S-01(1)

Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-1

Matrix: Solid
Percent Solids: 87.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*09/15/20 15:55*	*09/15/20 22:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*09/15/20 15:55*	*09/15/20 22:50*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/15/20 15:55*	*09/15/20 22:50*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*09/15/20 15:55*	*09/15/20 22:50*	*1*

Client Sample ID: S-01(3.5)

Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-2

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,1,2,2-Tetrachloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,1,2-Trichloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,1-Dichloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,1-Dichloroethene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2,4-Trichlorobenzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2-Dibromoethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2-Dichlorobenzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2-Dichloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,2-Dichloropropane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,3-Dichlorobenzene	**6.4**	**vs**	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
1,4-Dichlorobenzene	**8.7**	**vs**	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methyl ethyl ketone (MEK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
2-Hexanone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methyl isobutyl ketone (MIBK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Acetone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Benzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Bromodichloromethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Bromoform	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Bromomethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Carbon disulfide	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Carbon tetrachloride	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Chlorobenzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Chloroethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Chloroform	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Chloromethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
cis-1,2-Dichloroethene	**68**	**vs**	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
cis-1,3-Dichloropropene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Cyclohexane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Dibromochloromethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Dichlorodifluoromethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Ethylbenzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Isopropylbenzene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methyl acetate	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methyl tert-butyl ether	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methylcyclohexane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Methylene Chloride	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1

Client Sample ID: S-01(3.5)

Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-2

Matrix: Solid
Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Tetrachloroethene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Toluene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
trans-1,2-Dichloroethene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
trans-1,3-Dichloropropene	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Trichloroethene	**20**	**vs**	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Trichlorofluoromethane	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Vinyl chloride	ND	vs	6.1		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	09/15/20 15:55	09/15/20 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*09/15/20 15:55*	*09/15/20 23:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*09/15/20 15:55*	*09/15/20 23:15*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/15/20 15:55*	*09/15/20 23:15*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*09/15/20 15:55*	*09/15/20 23:15*	*1*

Client Sample ID: S-02(0.5)

Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-3

Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**270**		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**240**		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methyl ethyl ketone (MEK)	ND		550		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
2-Hexanone	ND		550		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methyl isobutyl ketone (MIBK)	ND		550		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Acetone	ND		550		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Benzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Bromoform	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Bromomethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Carbon disulfide	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Chlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Chloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Chloroform	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1

Client Sample ID: S-02(0.5)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-3
Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
cis-1,2-Dichloroethene	**500**		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Cyclohexane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Ethylbenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methyl acetate	ND		550		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methylcyclohexane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Methylene Chloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Styrene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Tetrachloroethene	**150**		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Toluene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Trichloroethene	**34000**	**E**	110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Vinyl chloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1
Xylenes, Total	ND		220		ug/Kg	☼	09/17/20 14:31	09/21/20 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*09/17/20 14:31*	*09/21/20 12:32*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*09/17/20 14:31*	*09/21/20 12:32*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*09/17/20 14:31*	*09/21/20 12:32*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*09/17/20 14:31*	*09/21/20 12:32*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,1,2,2-Tetrachloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,1,2-Trichloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,1-Dichloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,1-Dichloroethene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2,4-Trichlorobenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2-Dibromo-3-Chloropropane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2-Dibromoethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2-Dichlorobenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2-Dichloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,2-Dichloropropane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,3-Dichlorobenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
1,4-Dichlorobenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methyl ethyl ketone (MEK)	ND		2700		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
2-Hexanone	ND		2700		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methyl isobutyl ketone (MIBK)	ND		2700		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Acetone	ND		2700		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Benzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Bromodichloromethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5

Client Sample ID: S-02(0.5)

Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-3

Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Bromomethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Carbon disulfide	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Carbon tetrachloride	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Chlorobenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Chloroethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Chloroform	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Chloromethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
cis-1,2-Dichloroethene	**800**		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
cis-1,3-Dichloropropene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Cyclohexane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Dibromochloromethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Dichlorodifluoromethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Ethylbenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Isopropylbenzene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methyl acetate	ND		2700		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methyl tert-butyl ether	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methylcyclohexane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Methylene Chloride	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Styrene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Tetrachloroethene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Toluene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
trans-1,2-Dichloroethene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
trans-1,3-Dichloropropene	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Trichloroethene	**49000**		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Trichlorofluoromethane	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Vinyl chloride	ND		550		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5
Xylenes, Total	ND		1100		ug/Kg	☼	09/17/20 14:31	09/22/20 16:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*09/17/20 14:31*	*09/22/20 16:57*	*5*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 14:31*	*09/22/20 16:57*	*5*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 14:31*	*09/22/20 16:57*	*5*
Toluene-d8 (Surr)	*97*		*50 - 149*	*09/17/20 14:31*	*09/22/20 16:57*	*5*

Client Sample ID: S-02(1)

Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-4

Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,1,2,2-Tetrachloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,1,2-Trichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,1-Dichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,1-Dichloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,2,4-Trichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,2-Dibromo-3-Chloropropane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,2-Dibromoethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-02(1)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-4
Matrix: Solid
Percent Solids: 79.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,2-Dichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,2-Dichloropropane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,3-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
1,4-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methyl ethyl ketone (MEK)	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
2-Hexanone	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methyl isobutyl ketone (MIBK)	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Acetone	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Benzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Bromodichloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Bromoform	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Bromomethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Carbon disulfide	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Carbon tetrachloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Chlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Chloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Chloroform	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Chloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
cis-1,2-Dichloroethene	**8200**		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
cis-1,3-Dichloropropene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Cyclohexane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Dibromochloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Dichlorodifluoromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Ethylbenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Isopropylbenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methyl acetate	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methyl tert-butyl ether	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methylcyclohexane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Methylene Chloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Styrene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Tetrachloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Toluene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
trans-1,2-Dichloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
trans-1,3-Dichloropropene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Trichloroethene	**320000**		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Trichlorofluoromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Vinyl chloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25
Xylenes, Total	ND		6900		ug/Kg	☼	09/17/20 14:31	09/21/20 12:55	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/17/20 14:31*	*09/21/20 12:55*	*25*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/17/20 14:31*	*09/21/20 12:55*	*25*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 14:31*	*09/21/20 12:55*	*25*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 14:31*	*09/21/20 12:55*	*25*

Client Sample ID: S-03(0.5)
Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-5
Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,1,2,2-Tetrachloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,1,2-Trichloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,1-Dichloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,1-Dichloroethene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2,4-Trichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2-Dibromoethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2-Dichloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,2-Dichloropropane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,3-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
1,4-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methyl ethyl ketone (MEK)	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
2-Hexanone	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methyl isobutyl ketone (MIBK)	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Acetone	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Benzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Bromodichloromethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Bromoform	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Bromomethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Carbon disulfide	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Carbon tetrachloride	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Chlorobenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Chloroethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Chloroform	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Chloromethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
cis-1,2-Dichloroethene	**9.7**	**vs**	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
cis-1,3-Dichloropropene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Cyclohexane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Dibromochloromethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Dichlorodifluoromethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Ethylbenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Isopropylbenzene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methyl acetate	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methyl tert-butyl ether	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methylcyclohexane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Methylene Chloride	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Styrene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Tetrachloroethene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Toluene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
trans-1,2-Dichloroethene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
trans-1,3-Dichloropropene	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Trichloroethene	**300**	**E vs**	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Trichlorofluoromethane	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Vinyl chloride	ND	vs	5.2		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1
Xylenes, Total	ND	vs	10		ug/Kg	☼	09/15/20 15:55	09/16/20 00:32	1

Client Sample ID: S-03(0.5)

Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-5

Matrix: Solid
Percent Solids: 93.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*09/15/20 15:55*	*09/16/20 00:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*09/15/20 15:55*	*09/16/20 00:32*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/15/20 15:55*	*09/16/20 00:32*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*09/15/20 15:55*	*09/16/20 00:32*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,1,2,2-Tetrachloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,1,2-Trichloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,1-Dichloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,1-Dichloroethene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2,4-Trichlorobenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2-Dibromo-3-Chloropropane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2-Dibromoethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2-Dichlorobenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2-Dichloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,2-Dichloropropane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,3-Dichlorobenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
1,4-Dichlorobenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methyl ethyl ketone (MEK)	ND		2200		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
2-Hexanone	ND		2200		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methyl isobutyl ketone (MIBK)	ND		2200		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Acetone	ND		2200		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Benzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Bromodichloromethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Bromoform	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Bromomethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Carbon disulfide	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Carbon tetrachloride	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Chlorobenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Chloroethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Chloroform	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Chloromethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
cis-1,2-Dichloroethene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
cis-1,3-Dichloropropene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Cyclohexane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Dibromochloromethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Dichlorodifluoromethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Ethylbenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Isopropylbenzene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methyl acetate	ND		2200		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methyl tert-butyl ether	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methylcyclohexane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Methylene Chloride	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Styrene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Tetrachloroethene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Toluene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
trans-1,2-Dichloroethene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4

Client Sample ID: S-03(0.5)

Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-5

Matrix: Solid
Percent Solids: 93.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Trichloroethene	**19000**		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Trichlorofluoromethane	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Vinyl chloride	ND		430		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4
Xylenes, Total	ND		860		ug/Kg	☼	09/17/20 14:31	09/21/20 13:18	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/17/20 14:31*	*09/21/20 13:18*	*4*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/17/20 14:31*	*09/21/20 13:18*	*4*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/17/20 14:31*	*09/21/20 13:18*	*4*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 14:31*	*09/21/20 13:18*	*4*

Client Sample ID: S-03(1)

Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-6

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,1,2,2-Tetrachloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,1,2-Trichloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,1-Dichloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,1-Dichloroethene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2,4-Trichlorobenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2-Dibromo-3-Chloropropane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2-Dibromoethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2-Dichlorobenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2-Dichloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,2-Dichloropropane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,3-Dichlorobenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
1,4-Dichlorobenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methyl ethyl ketone (MEK)	ND		32000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
2-Hexanone	ND		32000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methyl isobutyl ketone (MIBK)	ND		32000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Acetone	ND		32000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Benzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Bromodichloromethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Bromoform	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Bromomethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Carbon disulfide	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Carbon tetrachloride	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Chlorobenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Chloroethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Chloroform	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Chloromethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
cis-1,2-Dichloroethene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
cis-1,3-Dichloropropene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Cyclohexane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Dibromochloromethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50

Client Sample ID: S-03(1)

Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-6

Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Ethylbenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Isopropylbenzene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methyl acetate	ND		32000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methyl tert-butyl ether	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methylcyclohexane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Methylene Chloride	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Styrene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Tetrachloroethene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Toluene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
trans-1,2-Dichloroethene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
trans-1,3-Dichloropropene	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Trichloroethene	**330000**		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Trichlorofluoromethane	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Vinyl chloride	ND		6400		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50
Xylenes, Total	ND		13000		ug/Kg	☼	09/17/20 14:31	09/21/20 13:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/17/20 14:31*	*09/21/20 13:41*	*50*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/17/20 14:31*	*09/21/20 13:41*	*50*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/17/20 14:31*	*09/21/20 13:41*	*50*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/17/20 14:31*	*09/21/20 13:41*	*50*

Client Sample ID: S-04(0.4)

Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-7

Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,1,2,2-Tetrachloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,1,2-Trichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,1-Dichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,1-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2,4-Trichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2-Dibromoethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2-Dichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,2-Dichloropropane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,3-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
1,4-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methyl ethyl ketone (MEK)	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
2-Hexanone	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methyl isobutyl ketone (MIBK)	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Acetone	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Benzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Bromodichloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Bromoform	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1

Client Sample ID: S-04(0.4)

Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-7

Matrix: Solid
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Carbon disulfide	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Carbon tetrachloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Chlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Chloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Chloroform	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Chloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
cis-1,2-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
cis-1,3-Dichloropropene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Cyclohexane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Dibromochloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Dichlorodifluoromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Ethylbenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Isopropylbenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methyl acetate	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methyl tert-butyl ether	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methylcyclohexane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Methylene Chloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Styrene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Tetrachloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Toluene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
trans-1,2-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
trans-1,3-Dichloropropene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Trichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Trichlorofluoromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Vinyl chloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1
Xylenes, Total	ND	vs	10		ug/Kg	☼	09/16/20 11:20	09/16/20 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*09/16/20 11:20*	*09/16/20 18:00*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*09/16/20 11:20*	*09/16/20 18:00*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/16/20 11:20*	*09/16/20 18:00*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/16/20 11:20*	*09/16/20 18:00*	*1*

Client Sample ID: S-04(0.7)

Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-8

Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,1,2,2-Tetrachloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,1,2-Trichloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,1-Dichloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,1-Dichloroethene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,2,4-Trichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,2-Dibromoethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,2-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1

Client Sample ID: S-04(0.7)
Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-8
Matrix: Solid
Percent Solids: 93.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,2-Dichloropropane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,3-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
1,4-Dichlorobenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methyl ethyl ketone (MEK)	ND	vs	26		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
2-Hexanone	ND	vs	26		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methyl isobutyl ketone (MIBK)	ND	vs	26		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Acetone	ND	vs	26		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Benzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Bromodichloromethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Bromoform	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Bromomethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Carbon disulfide	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Carbon tetrachloride	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Chlorobenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Chloroethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Chloroform	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Chloromethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
cis-1,2-Dichloroethene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
cis-1,3-Dichloropropene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Cyclohexane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Dibromochloromethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Dichlorodifluoromethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Ethylbenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Isopropylbenzene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methyl acetate	ND	vs	26		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methyl tert-butyl ether	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methylcyclohexane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Methylene Chloride	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Styrene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Tetrachloroethene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Toluene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
trans-1,2-Dichloroethene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
trans-1,3-Dichloropropene	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Trichloroethene	**6.3**	**vs**	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Trichlorofluoromethane	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Vinyl chloride	ND	vs	5.2		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1
Xylenes, Total	ND	vs	10		ug/Kg	☼	09/16/20 11:20	09/16/20 18:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*09/16/20 11:20*	*09/16/20 18:25*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*09/16/20 11:20*	*09/16/20 18:25*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/16/20 11:20*	*09/16/20 18:25*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/16/20 11:20*	*09/16/20 18:25*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-05(1.3)
Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-9
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,1,2,2-Tetrachloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,1,2-Trichloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,1-Dichloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,1-Dichloroethene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2,4-Trichlorobenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2-Dibromo-3-Chloropropane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2-Dibromoethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2-Dichlorobenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2-Dichloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,2-Dichloropropane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,3-Dichlorobenzene	ND	F2	3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
1,4-Dichlorobenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methyl ethyl ketone (MEK)	ND		15000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
2-Hexanone	ND		15000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Acetone	ND	F1	15000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Benzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Bromodichloromethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Bromoform	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Bromomethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Carbon disulfide	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Carbon tetrachloride	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Chlorobenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Chloroethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Chloroform	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Chloromethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
cis-1,2-Dichloroethene	ND	F1	3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
cis-1,3-Dichloropropene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Cyclohexane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Dibromochloromethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Dichlorodifluoromethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Ethylbenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Isopropylbenzene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methyl acetate	ND		15000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methyl tert-butyl ether	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methylcyclohexane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Methylene Chloride	ND	F1 F2	3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Styrene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Tetrachloroethene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Toluene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
trans-1,2-Dichloroethene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
trans-1,3-Dichloropropene	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Trichloroethene	**260000**		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Trichlorofluoromethane	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Vinyl chloride	ND		3000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25
Xylenes, Total	ND	F1	6000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:05	25

Client Sample ID: S-05(1.3)

Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-9

Matrix: Solid
Percent Solids: 87.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/17/20 14:31*	*09/21/20 14:05*	*25*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/17/20 14:31*	*09/21/20 14:05*	*25*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 14:31*	*09/21/20 14:05*	*25*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/17/20 14:31*	*09/21/20 14:05*	*25*

Client Sample ID: S-06(0.5)

Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-10

Matrix: Solid
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,1,2,2-Tetrachloroethane	ND	vs F1	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,1,2-Trichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,1-Dichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,1-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2,4-Trichlorobenzene	ND	vs F1	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2-Dibromoethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2-Dichloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,2-Dichloropropane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,3-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
1,4-Dichlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methyl ethyl ketone (MEK)	ND	vs F1	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
2-Hexanone	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methyl isobutyl ketone (MIBK)	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Acetone	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Benzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Bromodichloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Bromoform	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Bromomethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Carbon disulfide	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Carbon tetrachloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Chlorobenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Chloroethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Chloroform	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Chloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
cis-1,2-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
cis-1,3-Dichloropropene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Cyclohexane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Dibromochloromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Dichlorodifluoromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Ethylbenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Isopropylbenzene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methyl acetate	ND	vs	25		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methyl tert-butyl ether	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methylcyclohexane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Methylene Chloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1

Client Sample ID: S-06(0.5)

Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-10

Matrix: Solid
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Tetrachloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Toluene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
trans-1,2-Dichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
trans-1,3-Dichloropropene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Trichloroethene	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Trichlorofluoromethane	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Vinyl chloride	ND	vs	5.0		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1
Xylenes, Total	ND	vs	10		ug/Kg	☼	09/16/20 11:20	09/16/20 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*09/16/20 11:20*	*09/16/20 18:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*09/16/20 11:20*	*09/16/20 18:51*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/16/20 11:20*	*09/16/20 18:51*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/16/20 11:20*	*09/16/20 18:51*	*1*

Client Sample ID: S-06(1.3)

Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-11

Matrix: Solid
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,1,2-Trichloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,1-Dichloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,1-Dichloroethene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2,4-Trichlorobenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2-Dibromoethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2-Dichloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,2-Dichloropropane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,3-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
1,4-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
2-Hexanone	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Acetone	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Benzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Bromodichloromethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Bromoform	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Bromomethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Carbon disulfide	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Carbon tetrachloride	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Chlorobenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Chloroethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Chloroform	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Chloromethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1

Client Sample ID: S-06(1.3)

Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-11

Matrix: Solid
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
cis-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Cyclohexane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Dibromochloromethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Dichlorodifluoromethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Ethylbenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Isopropylbenzene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methyl acetate	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methyl tert-butyl ether	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methylcyclohexane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Methylene Chloride	**5.5**	**vs**	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Styrene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Tetrachloroethene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Toluene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
trans-1,2-Dichloroethene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
trans-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Trichloroethene	**37**	**vs**	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Trichlorofluoromethane	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Vinyl chloride	ND	vs	5.4		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	09/15/20 15:55	09/16/20 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*09/15/20 15:55*	*09/16/20 03:06*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*09/15/20 15:55*	*09/16/20 03:06*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/15/20 15:55*	*09/16/20 03:06*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*09/15/20 15:55*	*09/16/20 03:06*	*1*

Client Sample ID: S-07(0.5)

Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-12

Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,1-Dichloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2-Dichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methyl ethyl ketone (MEK)	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
2-Hexanone	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methyl isobutyl ketone (MIBK)	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1

Client Sample ID: S-07(0.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-12
Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Benzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Bromoform	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Chloroform	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
cis-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Cyclohexane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Ethylbenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methyl acetate	ND	vs	26		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Styrene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Tetrachloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Toluene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
trans-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Trichloroethene	**87**	**vs**	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Vinyl chloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	09/15/20 15:55	09/16/20 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*09/15/20 15:55*	*09/16/20 03:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 126*	*09/15/20 15:55*	*09/16/20 03:32*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/15/20 15:55*	*09/16/20 03:32*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*09/15/20 15:55*	*09/16/20 03:32*	*1*

Client Sample ID: S-07(1.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13
Matrix: Solid
Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,1,2,2-Tetrachloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,1,2-Trichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,1-Dichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,1-Dichloroethene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1

Client Sample ID: S-07(1.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13
Matrix: Solid
Percent Solids: 79.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,2-Dibromoethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,2-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,2-Dichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,2-Dichloropropane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,3-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
1,4-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methyl ethyl ketone (MEK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
2-Hexanone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methyl isobutyl ketone (MIBK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Acetone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Benzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Bromodichloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Bromoform	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Bromomethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Carbon disulfide	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Carbon tetrachloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Chlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Chloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Chloroform	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Chloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
cis-1,2-Dichloroethene	**70**	**vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
cis-1,3-Dichloropropene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Cyclohexane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Dibromochloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Dichlorodifluoromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Ethylbenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Isopropylbenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methyl acetate	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methyl tert-butyl ether	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methylcyclohexane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Methylene Chloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Styrene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Tetrachloroethene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Toluene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
trans-1,2-Dichloroethene	**13**	**vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
trans-1,3-Dichloropropene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Trichloroethene	**1900**	**E vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Trichlorofluoromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Vinyl chloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	09/15/20 15:55	09/16/20 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*	*09/15/20 15:55*	*09/16/20 03:57*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*09/15/20 15:55*	*09/16/20 03:57*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/15/20 15:55*	*09/16/20 03:57*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*09/15/20 15:55*	*09/16/20 03:57*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-07(1.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13
Matrix: Solid
Percent Solids: 79.6

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,1,2,2-Tetrachloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,1,2-Trichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,1-Dichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,1-Dichloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2,4-Trichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2-Dibromo-3-Chloropropane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2-Dibromoethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2-Dichloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,2-Dichloropropane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,3-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
1,4-Dichlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methyl ethyl ketone (MEK)	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
2-Hexanone	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methyl isobutyl ketone (MIBK)	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Acetone	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Benzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Bromodichloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Bromoform	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Bromomethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Carbon disulfide	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Carbon tetrachloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Chlorobenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Chloroethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Chloroform	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Chloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
cis-1,2-Dichloroethene	**5100**		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
cis-1,3-Dichloropropene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Cyclohexane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Dibromochloromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Dichlorodifluoromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Ethylbenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Isopropylbenzene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methyl acetate	ND		17000		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methyl tert-butyl ether	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methylcyclohexane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Methylene Chloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Styrene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Tetrachloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Toluene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
trans-1,2-Dichloroethene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
trans-1,3-Dichloropropene	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Trichloroethene	**320000**		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Trichlorofluoromethane	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Vinyl chloride	ND		3400		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25
Xylenes, Total	ND		6900		ug/Kg	☼	09/17/20 14:31	09/21/20 14:28	25

Client Sample ID: S-07(1.5)

Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13

Matrix: Solid
Percent Solids: 79.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/17/20 14:31*	*09/21/20 14:28*	*25*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 14:31*	*09/21/20 14:28*	*25*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 14:31*	*09/21/20 14:28*	*25*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 14:31*	*09/21/20 14:28*	*25*

Client Sample ID: S-08(0.5)

Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-14

Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,1-Dichloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2-Dichloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
2-Hexanone	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Acetone	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Benzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Bromoform	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Chloroform	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
cis-1,2-Dichloroethene	**7.0**	**vs**	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Cyclohexane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Ethylbenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methyl acetate	ND	vs	27		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-08(0.5)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-14
Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Tetrachloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Toluene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
trans-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Trichloroethene	**240**	**E vs**	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Vinyl chloride	ND	vs	5.3		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	09/15/20 15:55	09/16/20 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*09/15/20 15:55*	*09/16/20 04:23*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*09/15/20 15:55*	*09/16/20 04:23*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/15/20 15:55*	*09/16/20 04:23*	*1*
Toluene-d8 (Surr)	*104*		*71 - 125*	*09/15/20 15:55*	*09/16/20 04:23*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methyl ethyl ketone (MEK)	ND		530		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
2-Hexanone	ND		530		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methyl isobutyl ketone (MIBK)	ND		530		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Acetone	ND		530		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Benzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Bromoform	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Bromomethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Carbon disulfide	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Chlorobenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Chloroethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Chloroform	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Chloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Cyclohexane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1

Client Sample ID: S-08(0.5)

Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-14

Matrix: Solid
Percent Solids: 93.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Ethylbenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methyl acetate	ND		530		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methylcyclohexane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Methylene Chloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Styrene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Toluene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Trichloroethene	**5100**		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Vinyl chloride	ND		110		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1
Xylenes, Total	ND		210		ug/Kg	☼	09/17/20 14:31	09/21/20 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/17/20 14:31*	*09/21/20 14:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 14:31*	*09/21/20 14:51*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/17/20 14:31*	*09/21/20 14:51*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 14:31*	*09/21/20 14:51*	*1*

Client Sample ID: S-08(1.3)

Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-15

Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,1,2,2-Tetrachloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,1,2-Trichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,1-Dichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,1-Dichloroethene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2,4-Trichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2-Dibromoethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2-Dichloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,2-Dichloropropane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,3-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
1,4-Dichlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methyl ethyl ketone (MEK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
2-Hexanone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methyl isobutyl ketone (MIBK)	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Acetone	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Benzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Bromodichloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Bromoform	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1

Client Sample ID: S-08(1.3)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-15
Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Carbon disulfide	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Carbon tetrachloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Chlorobenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Chloroethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Chloroform	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Chloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
cis-1,2-Dichloroethene	**60**	**vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
cis-1,3-Dichloropropene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Cyclohexane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Dibromochloromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Dichlorodifluoromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Ethylbenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Isopropylbenzene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methyl acetate	ND	vs	31		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methyl tert-butyl ether	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methylcyclohexane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Methylene Chloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Styrene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Tetrachloroethene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Toluene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
trans-1,2-Dichloroethene	**7.3**	**vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
trans-1,3-Dichloropropene	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Trichloroethene	**1500**	**E vs**	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Trichlorofluoromethane	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Vinyl chloride	ND	vs	6.2		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	09/15/20 15:55	09/16/20 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*09/15/20 15:55*	*09/16/20 04:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*	*09/15/20 15:55*	*09/16/20 04:48*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/15/20 15:55*	*09/16/20 04:48*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*09/15/20 15:55*	*09/16/20 04:48*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,1,2,2-Tetrachloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,1,2-Trichloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,1-Dichloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,1-Dichloroethene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2,4-Trichlorobenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2-Dibromo-3-Chloropropane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2-Dibromoethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2-Dichlorobenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2-Dichloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,2-Dichloropropane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,3-Dichlorobenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
1,4-Dichlorobenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20

Client Sample ID: S-08(1.3)

Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-15

Matrix: Solid
Percent Solids: 79.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl ethyl ketone (MEK)	ND		14000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
2-Hexanone	ND		14000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Methyl isobutyl ketone (MIBK)	ND		14000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Acetone	ND		14000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Benzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Bromodichloromethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Bromoform	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Bromomethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Carbon disulfide	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Carbon tetrachloride	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Chlorobenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Chloroethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Chloroform	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Chloromethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
cis-1,2-Dichloroethene	**3900**		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
cis-1,3-Dichloropropene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Cyclohexane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Dibromochloromethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Dichlorodifluoromethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Ethylbenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Isopropylbenzene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Methyl acetate	ND		14000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Methyl tert-butyl ether	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Methylcyclohexane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Methylene Chloride	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Styrene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Tetrachloroethene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Toluene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
trans-1,2-Dichloroethene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
trans-1,3-Dichloropropene	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Trichloroethene	**160000**		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Trichlorofluoromethane	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Vinyl chloride	ND		2700		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20
Xylenes, Total	ND		5400		ug/Kg	☼	09/17/20 14:31	09/21/20 15:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/17/20 14:31*	*09/21/20 15:14*	*20*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/17/20 14:31*	*09/21/20 15:14*	*20*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/17/20 14:31*	*09/21/20 15:14*	*20*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 14:31*	*09/21/20 15:14*	*20*

Client Sample ID: S-09(0.5)

Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-16

Matrix: Solid
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2

Client Sample ID: S-09(0.5)
Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-16
Matrix: Solid
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,1-Dichloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,1-Dichloroethene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2,4-Trichlorobenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2-Dibromo-3-Chloropropane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2-Dibromoethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2-Dichlorobenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2-Dichloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,2-Dichloropropane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,3-Dichlorobenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
1,4-Dichlorobenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methyl ethyl ketone (MEK)	ND		1000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
2-Hexanone	ND		1000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methyl isobutyl ketone (MIBK)	ND		1000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Acetone	ND		1000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Benzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Bromodichloromethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Bromoform	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Bromomethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Carbon disulfide	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Carbon tetrachloride	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Chlorobenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Chloroethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Chloroform	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Chloromethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
cis-1,2-Dichloroethene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
cis-1,3-Dichloropropene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Cyclohexane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Dibromochloromethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Dichlorodifluoromethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Ethylbenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Isopropylbenzene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methyl acetate	ND		1000		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methyl tert-butyl ether	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methylcyclohexane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Methylene Chloride	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Styrene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Tetrachloroethene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Toluene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
trans-1,2-Dichloroethene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
trans-1,3-Dichloropropene	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Trichloroethene	**11000**		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Trichlorofluoromethane	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Vinyl chloride	ND		200		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2
Xylenes, Total	ND		410		ug/Kg	☼	09/17/20 14:31	09/21/20 15:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/17/20 14:31*	*09/21/20 15:37*	*2*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 14:31*	*09/21/20 15:37*	*2*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*09/17/20 14:31*	*09/21/20 15:37*	*2*

Client Sample ID: S-09(0.5)

Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-16

Matrix: Solid
Percent Solids: 96.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		50 - 149	09/17/20 14:31	09/21/20 15:37	2

Client Sample ID: S-09(1.3)

Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-17

Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,1,2,2-Tetrachloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,1,2-Trichloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,1-Dichloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,1-Dichloroethene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2,4-Trichlorobenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2-Dibromo-3-Chloropropane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2-Dibromoethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2-Dichlorobenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2-Dichloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,2-Dichloropropane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,3-Dichlorobenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
1,4-Dichlorobenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methyl ethyl ketone (MEK)	ND		58000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
2-Hexanone	ND		58000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methyl isobutyl ketone (MIBK)	ND		58000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Acetone	ND		58000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Benzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Bromodichloromethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Bromoform	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Bromomethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Carbon disulfide	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Carbon tetrachloride	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Chlorobenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Chloroethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Chloroform	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Chloromethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
cis-1,2-Dichloroethene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
cis-1,3-Dichloropropene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Cyclohexane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Dibromochloromethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Dichlorodifluoromethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Ethylbenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Isopropylbenzene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methyl acetate	ND		58000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methyl tert-butyl ether	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methylcyclohexane	ND	*	12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Methylene Chloride	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Styrene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Tetrachloroethene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80

Client Sample ID: S-09(1.3)

Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-17

Matrix: Solid
Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
trans-1,2-Dichloroethene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
trans-1,3-Dichloropropene	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Trichloroethene	**660000**		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Trichlorofluoromethane	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Vinyl chloride	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80
Xylenes, Total	ND		23000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:10	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/17/20 12:53*	*09/20/20 12:10*	*80*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*09/17/20 12:53*	*09/20/20 12:10*	*80*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/17/20 12:53*	*09/20/20 12:10*	*80*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 12:53*	*09/20/20 12:10*	*80*

Client Sample ID: S-10(1)

Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-18

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,1,2,2-Tetrachloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,1,2-Trichloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,1-Dichloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,1-Dichloroethene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2,4-Trichlorobenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2-Dibromo-3-Chloropropane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2-Dibromoethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2-Dichlorobenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2-Dichloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,2-Dichloropropane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,3-Dichlorobenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
1,4-Dichlorobenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methyl ethyl ketone (MEK)	ND		25000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
2-Hexanone	ND		25000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methyl isobutyl ketone (MIBK)	ND		25000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Acetone	ND		25000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Benzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Bromodichloromethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Bromoform	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Bromomethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Carbon disulfide	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Carbon tetrachloride	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Chlorobenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Chloroethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Chloroform	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Chloromethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
cis-1,2-Dichloroethene	**9400**		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
cis-1,3-Dichloropropene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40

Client Sample ID: S-10(1)

Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-18

Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Dibromochloromethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Dichlorodifluoromethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Ethylbenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Isopropylbenzene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methyl acetate	ND		25000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methyl tert-butyl ether	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methylcyclohexane	ND	*	5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Methylene Chloride	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Styrene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Tetrachloroethene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Toluene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
trans-1,2-Dichloroethene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
trans-1,3-Dichloropropene	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Trichloroethene	**250000**		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Trichlorofluoromethane	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Vinyl chloride	ND		5100		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40
Xylenes, Total	ND		10000		ug/Kg	☼	09/17/20 12:53	09/20/20 12:33	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/17/20 12:53*	*09/20/20 12:33*	*40*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/17/20 12:53*	*09/20/20 12:33*	*40*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/17/20 12:53*	*09/20/20 12:33*	*40*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/17/20 12:53*	*09/20/20 12:33*	*40*

Client Sample ID: S-10(4)

Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-19

Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,1,2-Trichloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,1-Dichloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,1-Dichloroethene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2,4-Trichlorobenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2-Dibromoethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2-Dichloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,2-Dichloropropane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,3-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
1,4-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methyl ethyl ketone (MEK)	ND	vs	29		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
2-Hexanone	ND	vs	29		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methyl isobutyl ketone (MIBK)	ND	vs	29		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Acetone	**100**	**vs**	29		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Benzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1

Client Sample ID: S-10(4)

Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-19

Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Bromoform	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Bromomethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Carbon disulfide	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Carbon tetrachloride	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Chlorobenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Chloroethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Chloroform	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Chloromethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
cis-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
cis-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Cyclohexane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Dibromochloromethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Dichlorodifluoromethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Ethylbenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Isopropylbenzene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methyl acetate	ND	vs	29		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methyl tert-butyl ether	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methylcyclohexane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Methylene Chloride	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Styrene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Tetrachloroethene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Toluene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
trans-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
trans-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Trichloroethene	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Trichlorofluoromethane	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Vinyl chloride	ND	vs	5.8		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	09/21/20 09:53	09/21/20 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*64 - 126*	*09/21/20 09:53*	*09/21/20 11:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*09/21/20 09:53*	*09/21/20 11:52*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/21/20 09:53*	*09/21/20 11:52*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/21/20 09:53*	*09/21/20 11:52*	*1*

Client Sample ID: DUP-01_20200914

Date Collected: 09/14/20 00:00
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-20

Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: DUP-01_20200914
Date Collected: 09/14/20 00:00
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-20
Matrix: Solid
Percent Solids: 94.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methyl ethyl ketone (MEK)	ND		540		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
2-Hexanone	ND		540		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methyl isobutyl ketone (MIBK)	ND		540		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Acetone	ND		540		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Benzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Bromoform	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Bromomethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Carbon disulfide	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Chlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Chloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Chloroform	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Chloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Cyclohexane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Ethylbenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methyl acetate	ND		540		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methylcyclohexane	ND	*	110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Methylene Chloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Styrene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Toluene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Trichloroethene	**640**		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Vinyl chloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1
Xylenes, Total	ND		220		ug/Kg	☼	09/17/20 12:53	09/20/20 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/17/20 12:53*	*09/20/20 13:19*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/17/20 12:53*	*09/20/20 13:19*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*09/17/20 12:53*	*09/20/20 13:19*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/17/20 12:53*	*09/20/20 13:19*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-11(0.5)
Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-21
Matrix: Solid
Percent Solids: 96.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,1,2,2-Tetrachloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,1,2-Trichloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,1-Dichloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,1-Dichloroethene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2,4-Trichlorobenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2-Dibromo-3-Chloropropane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2-Dibromoethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2-Dichlorobenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2-Dichloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,2-Dichloropropane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,3-Dichlorobenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
1,4-Dichlorobenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methyl ethyl ketone (MEK)	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
2-Hexanone	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methyl isobutyl ketone (MIBK)	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Acetone	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Benzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Bromodichloromethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Bromoform	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Bromomethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Carbon disulfide	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Carbon tetrachloride	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Chlorobenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Chloroethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Chloroform	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Chloromethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
cis-1,2-Dichloroethene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
cis-1,3-Dichloropropene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Cyclohexane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Dibromochloromethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Dichlorodifluoromethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Ethylbenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Isopropylbenzene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methyl acetate	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methyl tert-butyl ether	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methylcyclohexane	ND	*	210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Methylene Chloride	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Styrene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Tetrachloroethene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Toluene	**780**		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
trans-1,2-Dichloroethene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
trans-1,3-Dichloropropene	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Trichloroethene	**9100**		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Trichlorofluoromethane	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Vinyl chloride	ND		210		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2
Xylenes, Total	ND		410		ug/Kg	☼	09/17/20 12:53	09/20/20 13:43	2

Client Sample ID: S-11(0.5)

Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-21

Matrix: Solid
Percent Solids: 96.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	09/17/20 12:53	09/20/20 13:43	2
4-Bromofluorobenzene (Surr)	99		49 - 148	09/17/20 12:53	09/20/20 13:43	2
Dibromofluoromethane (Surr)	97		60 - 140	09/17/20 12:53	09/20/20 13:43	2
Toluene-d8 (Surr)	97		50 - 149	09/17/20 12:53	09/20/20 13:43	2

Client Sample ID: S-11(1.3)

Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-22

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,1-Dichloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,1-Dichloroethene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2-Dibromoethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2-Dichloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,2-Dichloropropane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methyl ethyl ketone (MEK)	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
2-Hexanone	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Acetone	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Benzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Bromodichloromethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Bromoform	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Bromomethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Carbon disulfide	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Carbon tetrachloride	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Chlorobenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Chloroethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Chloroform	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Chloromethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Cyclohexane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Dibromochloromethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Ethylbenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Isopropylbenzene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methyl acetate	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methylcyclohexane	ND	*	2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Methylene Chloride	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20

Client Sample ID: S-11(1.3)

Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-22

Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Tetrachloroethene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Toluene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Trichloroethene	**170000**		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Trichlorofluoromethane	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Vinyl chloride	ND		2900		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20
Xylenes, Total	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 14:06	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/17/20 12:53*	*09/20/20 14:06*	*20*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*09/17/20 12:53*	*09/20/20 14:06*	*20*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/17/20 12:53*	*09/20/20 14:06*	*20*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 12:53*	*09/20/20 14:06*	*20*

Client Sample ID: S-12(0.8)

Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-23

Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,1,2,2-Tetrachloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,1,2-Trichloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,1-Dichloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,1-Dichloroethene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2,4-Trichlorobenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2-Dibromoethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2-Dichlorobenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2-Dichloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,2-Dichloropropane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,3-Dichlorobenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
1,4-Dichlorobenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methyl ethyl ketone (MEK)	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
2-Hexanone	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methyl isobutyl ketone (MIBK)	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Acetone	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Benzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Bromodichloromethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Bromoform	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Bromomethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Carbon disulfide	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Carbon tetrachloride	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Chlorobenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Chloroethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Chloroform	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Chloromethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4

Client Sample ID: S-12(0.8)

Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-23

Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**840**		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
cis-1,3-Dichloropropene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Cyclohexane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Dibromochloromethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Dichlorodifluoromethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Ethylbenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Isopropylbenzene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methyl acetate	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methyl tert-butyl ether	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methylcyclohexane	ND	*	500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Methylene Chloride	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Styrene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Tetrachloroethene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Toluene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
trans-1,2-Dichloroethene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
trans-1,3-Dichloropropene	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Trichloroethene	**41000**		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Trichlorofluoromethane	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Vinyl chloride	ND		500		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4
Xylenes, Total	ND		1000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:29	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/17/20 12:53*	*09/20/20 14:29*	*4*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/17/20 12:53*	*09/20/20 14:29*	*4*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/17/20 12:53*	*09/20/20 14:29*	*4*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 12:53*	*09/20/20 14:29*	*4*

Client Sample ID: S-12(1.6)

Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-24

Matrix: Solid
Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,1,2,2-Tetrachloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,1,2-Trichloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,1-Dichloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,1-Dichloroethene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2,4-Trichlorobenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2-Dibromo-3-Chloropropane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2-Dibromoethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2-Dichlorobenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2-Dichloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,2-Dichloropropane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,3-Dichlorobenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
1,4-Dichlorobenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methyl ethyl ketone (MEK)	ND		37000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
2-Hexanone	ND		37000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methyl isobutyl ketone (MIBK)	ND		37000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50

Client Sample ID: S-12(1.6)
Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-24
Matrix: Solid
Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		37000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Benzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Bromodichloromethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Bromoform	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Bromomethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Carbon disulfide	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Carbon tetrachloride	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Chlorobenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Chloroethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Chloroform	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Chloromethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
cis-1,2-Dichloroethene	**11000**		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
cis-1,3-Dichloropropene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Cyclohexane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Dibromochloromethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Dichlorodifluoromethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Ethylbenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Isopropylbenzene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methyl acetate	ND		37000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methyl tert-butyl ether	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methylcyclohexane	ND	*	7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Methylene Chloride	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Styrene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Tetrachloroethene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Toluene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
trans-1,2-Dichloroethene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
trans-1,3-Dichloropropene	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Trichloroethene	**490000**		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Trichlorofluoromethane	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Vinyl chloride	ND		7400		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50
Xylenes, Total	ND		15000		ug/Kg	☼	09/17/20 12:53	09/20/20 14:52	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/17/20 12:53*	*09/20/20 14:52*	*50*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*09/17/20 12:53*	*09/20/20 14:52*	*50*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*09/17/20 12:53*	*09/20/20 14:52*	*50*
Toluene-d8 (Surr)	*97*		*50 - 149*	*09/17/20 12:53*	*09/20/20 14:52*	*50*

Client Sample ID: S-13(0.3)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-25
Matrix: Solid
Percent Solids: 96.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,1,2,2-Tetrachloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,1,2-Trichloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,1-Dichloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,1-Dichloroethene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4

Client Sample ID: S-13(0.3)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-25
Matrix: Solid
Percent Solids: 96.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,2-Dibromo-3-Chloropropane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,2-Dibromoethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,2-Dichlorobenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,2-Dichloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,2-Dichloropropane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,3-Dichlorobenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
1,4-Dichlorobenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methyl ethyl ketone (MEK)	ND		2100		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
2-Hexanone	ND		2100		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methyl isobutyl ketone (MIBK)	ND		2100		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Acetone	ND		2100		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Benzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Bromodichloromethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Bromoform	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Bromomethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Carbon disulfide	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Carbon tetrachloride	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Chlorobenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Chloroethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Chloroform	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Chloromethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
cis-1,2-Dichloroethene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
cis-1,3-Dichloropropene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Cyclohexane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Dibromochloromethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Dichlorodifluoromethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Ethylbenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Isopropylbenzene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methyl acetate	ND		2100		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methyl tert-butyl ether	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methylcyclohexane	ND	*	420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Methylene Chloride	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Styrene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Tetrachloroethene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Toluene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
trans-1,2-Dichloroethene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
trans-1,3-Dichloropropene	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Trichloroethene	**15000**		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Trichlorofluoromethane	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Vinyl chloride	ND		420		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4
Xylenes, Total	ND		830		ug/Kg	☼	09/17/20 12:53	09/20/20 15:15	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/17/20 12:53*	*09/20/20 15:15*	*4*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/17/20 12:53*	*09/20/20 15:15*	*4*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/17/20 12:53*	*09/20/20 15:15*	*4*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 12:53*	*09/20/20 15:15*	*4*

Client Sample ID: S-13(0.9)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-26
Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,1,2,2-Tetrachloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,1,2-Trichloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,1-Dichloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,1-Dichloroethene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2,4-Trichlorobenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2-Dibromo-3-Chloropropane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2-Dibromoethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2-Dichlorobenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2-Dichloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,2-Dichloropropane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,3-Dichlorobenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
1,4-Dichlorobenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methyl ethyl ketone (MEK)	ND		4500		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
2-Hexanone	ND		4500		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methyl isobutyl ketone (MIBK)	ND		4500		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Acetone	ND		4500		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Benzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Bromodichloromethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Bromoform	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Bromomethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Carbon disulfide	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Carbon tetrachloride	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Chlorobenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Chloroethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Chloroform	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Chloromethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
cis-1,2-Dichloroethene	**4200**		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
cis-1,3-Dichloropropene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Cyclohexane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Dibromochloromethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Dichlorodifluoromethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Ethylbenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Isopropylbenzene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methyl acetate	ND		4500		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methyl tert-butyl ether	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methylcyclohexane	ND	*	900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Methylene Chloride	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Styrene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Tetrachloroethene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Toluene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
trans-1,2-Dichloroethene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
trans-1,3-Dichloropropene	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Trichloroethene	**49000**		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Trichlorofluoromethane	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Vinyl chloride	ND		900		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8
Xylenes, Total	ND		1800		ug/Kg	☼	09/17/20 12:53	09/20/20 15:38	8

Client Sample ID: S-13(0.9)

Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-26

Matrix: Solid
Percent Solids: 91.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/17/20 12:53*	*09/20/20 15:38*	*8*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/17/20 12:53*	*09/20/20 15:38*	*8*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/17/20 12:53*	*09/20/20 15:38*	*8*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 12:53*	*09/20/20 15:38*	*8*

Client Sample ID: S-05(0.6)

Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-27

Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methyl ethyl ketone (MEK)	ND		550		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
2-Hexanone	ND		550		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methyl isobutyl ketone (MIBK)	ND		550		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Acetone	ND		550		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Benzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Bromoform	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Bromomethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Carbon disulfide	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Chlorobenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Chloroethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Chloroform	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Chloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
cis-1,2-Dichloroethene	**170**		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Cyclohexane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Ethylbenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methyl acetate	ND		550		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methylcyclohexane	ND	*	110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Methylene Chloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1

Client Sample ID: S-05(0.6)

Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-27

Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Toluene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Trichloroethene	**8400**		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Vinyl chloride	ND		110		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1
Xylenes, Total	ND		220		ug/Kg	☼	09/17/20 12:53	09/20/20 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*09/17/20 12:53*	*09/20/20 16:01*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 12:53*	*09/20/20 16:01*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*09/17/20 12:53*	*09/20/20 16:01*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*09/17/20 12:53*	*09/20/20 16:01*	*1*

Client Sample ID: D-01 (29.3)

Date Collected: 09/15/20 11:10
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-2

Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
2-Hexanone	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Acetone	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Benzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Bromoform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Bromomethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Chloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Chloroform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Chloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10

Client Sample ID: D-01 (29.3)

Date Collected: 09/15/20 11:10
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-2

Matrix: Solid
Percent Solids: 91.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**5000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Cyclohexane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methyl acetate	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methylcyclohexane	ND	*	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Methylene Chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Styrene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Toluene	**1900**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Trichloroethene	**43000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10
Xylenes, Total	ND		2300		ug/Kg	☼	09/17/20 12:53	09/20/20 16:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/17/20 12:53*	*09/20/20 16:24*	*10*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*09/17/20 12:53*	*09/20/20 16:24*	*10*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/17/20 12:53*	*09/20/20 16:24*	*10*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 12:53*	*09/20/20 16:24*	*10*

Client Sample ID: D-01 (32.5)

Date Collected: 09/15/20 11:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-3

Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
2-Hexanone	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10

Client Sample ID: D-01 (32.5)

Date Collected: 09/15/20 11:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-3
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Benzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Bromoform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Bromomethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Chloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Chloroform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Chloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
cis-1,2-Dichloroethene	**9400**	**F1**	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Cyclohexane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methyl acetate	ND		5600		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methylcyclohexane	ND	*	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Methylene Chloride	ND	F2	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Styrene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Toluene	**1600**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Trichloroethene	**50000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10
Xylenes, Total	ND		2200		ug/Kg	☼	09/17/20 12:53	09/20/20 16:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/17/20 12:53*	*09/20/20 16:47*	*10*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/17/20 12:53*	*09/20/20 16:47*	*10*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/17/20 12:53*	*09/20/20 16:47*	*10*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/17/20 12:53*	*09/20/20 16:47*	*10*

Client Sample ID: D-02 (25)

Date Collected: 09/15/20 13:55
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-4
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10

Client Sample ID: D-02 (25)
Date Collected: 09/15/20 13:55
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-4
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,2-Dichloroethane	**2100**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methyl ethyl ketone (MEK)	ND		5500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
2-Hexanone	ND		5500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methyl isobutyl ketone (MIBK)	ND		5500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Acetone	ND		5500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Benzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Bromoform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Bromomethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Chloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Chloroform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Chloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
cis-1,2-Dichloroethene	**3000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Cyclohexane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methyl acetate	ND		5500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methylcyclohexane	ND	*	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Methylene Chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Styrene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Toluene	**1600**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Trichloroethene	**50000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10
Xylenes, Total	ND		2200		ug/Kg	☼	09/17/20 12:53	09/20/20 17:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/17/20 12:53*	*09/20/20 17:10*	*10*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/17/20 12:53*	*09/20/20 17:10*	*10*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 12:53*	*09/20/20 17:10*	*10*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/17/20 12:53*	*09/20/20 17:10*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-02 (32)
Date Collected: 09/15/20 14:20
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-5
Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,1,2,2-Tetrachloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,1,2-Trichloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,1-Dichloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,1-Dichloroethene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2,4-Trichlorobenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2-Dibromo-3-Chloropropane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2-Dibromoethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2-Dichlorobenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2-Dichloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,2-Dichloropropane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,3-Dichlorobenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
1,4-Dichlorobenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methyl ethyl ketone (MEK)	ND		29000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
2-Hexanone	ND		29000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methyl isobutyl ketone (MIBK)	ND		29000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Acetone	ND		29000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Benzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Bromodichloromethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Bromoform	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Bromomethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Carbon disulfide	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Carbon tetrachloride	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Chlorobenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Chloroethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Chloroform	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Chloromethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
cis-1,2-Dichloroethene	**13000**		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
cis-1,3-Dichloropropene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Cyclohexane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Dibromochloromethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Dichlorodifluoromethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Ethylbenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Isopropylbenzene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methyl acetate	ND		29000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methyl tert-butyl ether	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methylcyclohexane	ND	*	5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Methylene Chloride	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Styrene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Tetrachloroethene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Toluene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
trans-1,2-Dichloroethene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
trans-1,3-Dichloropropene	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Trichloroethene	**230000**		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Trichlorofluoromethane	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Vinyl chloride	ND		5800		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50
Xylenes, Total	ND		12000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:33	50

Client Sample ID: D-02 (32)

Date Collected: 09/15/20 14:20
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-5

Matrix: Solid
Percent Solids: 90.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/17/20 12:53*	*09/20/20 17:33*	*50*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/17/20 12:53*	*09/20/20 17:33*	*50*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/17/20 12:53*	*09/20/20 17:33*	*50*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/17/20 12:53*	*09/20/20 17:33*	*50*

Client Sample ID: D-02 (33)

Date Collected: 09/15/20 14:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-6

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,1,2,2-Tetrachloroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,1,2-Trichloroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,1-Dichloroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,1-Dichloroethene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2,4-Trichlorobenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2-Dibromo-3-Chloropropane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2-Dibromoethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2-Dichlorobenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2-Dichloroethane	**11000**		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,2-Dichloropropane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,3-Dichlorobenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
1,4-Dichlorobenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methyl ethyl ketone (MEK)	ND		13000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
2-Hexanone	ND		13000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methyl isobutyl ketone (MIBK)	ND		13000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Acetone	ND		13000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Benzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Bromodichloromethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Bromoform	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Bromomethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Carbon disulfide	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Carbon tetrachloride	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Chlorobenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Chloroethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Chloroform	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Chloromethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
cis-1,2-Dichloroethene	**2500**		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
cis-1,3-Dichloropropene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Cyclohexane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Dibromochloromethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Dichlorodifluoromethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Ethylbenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Isopropylbenzene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methyl acetate	ND		13000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methyl tert-butyl ether	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methylcyclohexane	ND	*	2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Methylene Chloride	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20

Client Sample ID: D-02 (33)

Date Collected: 09/15/20 14:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-6

Matrix: Solid
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Tetrachloroethene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Toluene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
trans-1,2-Dichloroethene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
trans-1,3-Dichloropropene	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Trichloroethene	**86000**		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Trichlorofluoromethane	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Vinyl chloride	ND		2500		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20
Xylenes, Total	ND		5000		ug/Kg	☼	09/17/20 12:53	09/20/20 17:56	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/17/20 12:53*	*09/20/20 17:56*	*20*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*09/17/20 12:53*	*09/20/20 17:56*	*20*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/17/20 12:53*	*09/20/20 17:56*	*20*
Toluene-d8 (Surr)	*98*		*50 - 149*	*09/17/20 12:53*	*09/20/20 17:56*	*20*

Client Sample ID: DUP-02_20200915

Date Collected: 09/15/20 00:00
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-7

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methyl ethyl ketone (MEK)	ND		5700		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
2-Hexanone	ND		5700		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methyl isobutyl ketone (MIBK)	ND		5700		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Acetone	ND		5700		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Benzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Bromoform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Bromomethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Chloroethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Chloroform	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Chloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10

Client Sample ID: DUP-02_20200915

Date Collected: 09/15/20 00:00
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-7

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**7500**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Cyclohexane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methyl acetate	ND		5700		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methylcyclohexane	ND	*	1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Methylene Chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Styrene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Toluene	**2300**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Trichloroethene	**60000**		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10
Xylenes, Total	ND		2300		ug/Kg	☼	09/17/20 12:53	09/20/20 18:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/17/20 12:53*	*09/20/20 18:19*	*10*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*09/17/20 12:53*	*09/20/20 18:19*	*10*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/17/20 12:53*	*09/20/20 18:19*	*10*
Toluene-d8 (Surr)	*98*		*50 - 149*	*09/17/20 12:53*	*09/20/20 18:19*	*10*

Client Sample ID: D-03 (31.5)

Date Collected: 09/16/20 10:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-1

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,1,2,2-Tetrachloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,1,2-Trichloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,1-Dichloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,1-Dichloroethene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2,4-Trichlorobenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2-Dibromo-3-Chloropropane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2-Dibromoethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2-Dichlorobenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2-Dichloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,2-Dichloropropane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,3-Dichlorobenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
1,4-Dichlorobenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methyl ethyl ketone (MEK)	ND		18000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
2-Hexanone	ND		18000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methyl isobutyl ketone (MIBK)	ND		18000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25

Client Sample ID: D-03 (31.5)

Date Collected: 09/16/20 10:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-1

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		18000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Benzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Bromodichloromethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Bromoform	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Bromomethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Carbon disulfide	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Carbon tetrachloride	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Chlorobenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Chloroethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Chloroform	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Chloromethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
cis-1,2-Dichloroethene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
cis-1,3-Dichloropropene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Cyclohexane	ND	*	3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Dibromochloromethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Dichlorodifluoromethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Ethylbenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Isopropylbenzene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methyl acetate	ND		18000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methyl tert-butyl ether	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methylcyclohexane	ND	*	3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Methylene Chloride	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Styrene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Tetrachloroethene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Toluene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
trans-1,2-Dichloroethene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
trans-1,3-Dichloropropene	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Trichloroethene	**190000**		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Trichlorofluoromethane	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Vinyl chloride	ND		3600		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25
Xylenes, Total	ND		7200		ug/Kg	☼	09/18/20 14:42	09/22/20 11:12	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/18/20 14:42*	*09/22/20 11:12*	*25*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/18/20 14:42*	*09/22/20 11:12*	*25*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/18/20 14:42*	*09/22/20 11:12*	*25*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/18/20 14:42*	*09/22/20 11:12*	*25*

Client Sample ID: D-03 (35)

Date Collected: 09/16/20 10:35
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-2

Matrix: Solid
Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,1,2,2-Tetrachloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,1,2-Trichloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,1-Dichloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,1-Dichloroethene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4

Client Sample ID: D-03 (35)
Date Collected: 09/16/20 10:35
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-2
Matrix: Solid
Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,2-Dibromo-3-Chloropropane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,2-Dibromoethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,2-Dichlorobenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,2-Dichloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,2-Dichloropropane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,3-Dichlorobenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
1,4-Dichlorobenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methyl ethyl ketone (MEK)	ND		2800		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
2-Hexanone	ND		2800		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methyl isobutyl ketone (MIBK)	ND		2800		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Acetone	ND		2800		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Benzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Bromodichloromethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Bromoform	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Bromomethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Carbon disulfide	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Carbon tetrachloride	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Chlorobenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Chloroethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Chloroform	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Chloromethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
cis-1,2-Dichloroethene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
cis-1,3-Dichloropropene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Cyclohexane	ND	*	560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Dibromochloromethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Dichlorodifluoromethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Ethylbenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Isopropylbenzene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methyl acetate	ND		2800		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methyl tert-butyl ether	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methylcyclohexane	ND	*	560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Methylene Chloride	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Styrene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Tetrachloroethene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Toluene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
trans-1,2-Dichloroethene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
trans-1,3-Dichloropropene	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Trichloroethene	**27000**		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Trichlorofluoromethane	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Vinyl chloride	ND		560		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4
Xylenes, Total	ND		1100		ug/Kg	☼	09/18/20 14:42	09/22/20 11:35	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/18/20 14:42*	*09/22/20 11:35*	*4*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/18/20 14:42*	*09/22/20 11:35*	*4*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/18/20 14:42*	*09/22/20 11:35*	*4*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/18/20 14:42*	*09/22/20 11:35*	*4*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-04 (29.1)
Date Collected: 09/16/20 13:05
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-3
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,1,2,2-Tetrachloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,1,2-Trichloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,1-Dichloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,1-Dichloroethene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2,4-Trichlorobenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2-Dibromo-3-Chloropropane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2-Dibromoethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2-Dichlorobenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2-Dichloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,2-Dichloropropane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,3-Dichlorobenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
1,4-Dichlorobenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methyl ethyl ketone (MEK)	ND		580000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
2-Hexanone	ND		580000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methyl isobutyl ketone (MIBK)	ND		580000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Acetone	ND		580000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Benzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Bromodichloromethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Bromoform	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Bromomethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Carbon disulfide	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Carbon tetrachloride	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Chlorobenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Chloroethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Chloroform	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Chloromethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
cis-1,2-Dichloroethene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
cis-1,3-Dichloropropene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Cyclohexane	ND	*	120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Dibromochloromethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Dichlorodifluoromethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Ethylbenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Isopropylbenzene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methyl acetate	ND		580000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methyl tert-butyl ether	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methylcyclohexane	ND	*	120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Methylene Chloride	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Styrene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Tetrachloroethene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Toluene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
trans-1,2-Dichloroethene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
trans-1,3-Dichloropropene	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Trichloroethene	**10000000**		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Trichlorofluoromethane	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Vinyl chloride	ND		120000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000
Xylenes, Total	ND		230000		ug/Kg	☼	09/18/20 14:42	09/22/20 11:58	1000

Client Sample ID: D-04 (29.1)

Date Collected: 09/16/20 13:05
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-3

Matrix: Solid
Percent Solids: 88.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/18/20 14:42*	*09/22/20 11:58*	*1000*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*09/18/20 14:42*	*09/22/20 11:58*	*1000*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*09/18/20 14:42*	*09/22/20 11:58*	*1000*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/18/20 14:42*	*09/22/20 11:58*	*1000*

Client Sample ID: D-04 (29.8)

Date Collected: 09/16/20 13:25
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-4

Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methyl ethyl ketone (MEK)	ND		5900		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
2-Hexanone	ND		5900		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methyl isobutyl ketone (MIBK)	ND		5900		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Acetone	ND		5900		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Benzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Bromodichloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Bromoform	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Bromomethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Carbon disulfide	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Chlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Chloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Chloroform	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Chloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Cyclohexane	ND	*	1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Dibromochloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Ethylbenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Isopropylbenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methyl acetate	ND		5900		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methylcyclohexane	ND	*	1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Methylene Chloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10

Client Sample ID: D-04 (29.8)

Date Collected: 09/16/20 13:25
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-4

Matrix: Solid
Percent Solids: 88.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Tetrachloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Toluene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Trichloroethene	**54000**		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Vinyl chloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10
Xylenes, Total	ND		2400		ug/Kg	☼	09/18/20 14:42	09/22/20 12:21	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/18/20 14:42*	*09/22/20 12:21*	*10*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/18/20 14:42*	*09/22/20 12:21*	*10*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/18/20 14:42*	*09/22/20 12:21*	*10*
Toluene-d8 (Surr)	*98*		*50 - 149*	*09/18/20 14:42*	*09/22/20 12:21*	*10*

Client Sample ID: D-04 (28.3)

Date Collected: 09/16/20 13:30
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-5

Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methyl ethyl ketone (MEK)	ND		12000		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
2-Hexanone	ND		12000		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methyl isobutyl ketone (MIBK)	ND		12000		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Acetone	ND		12000		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Benzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Bromodichloromethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Bromoform	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Bromomethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Carbon disulfide	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Chlorobenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Chloroethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Chloroform	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Chloromethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20

Client Sample ID: D-04 (28.3)

Date Collected: 09/16/20 13:30
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-5
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Cyclohexane	ND	*	2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Dibromochloromethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Ethylbenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Isopropylbenzene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methyl acetate	ND		12000		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methylcyclohexane	ND	*	2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Methylene Chloride	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Styrene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Tetrachloroethene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Toluene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Trichloroethene	**86000**		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Vinyl chloride	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20
Xylenes, Total	ND		4600		ug/Kg	☼	09/18/20 14:42	09/22/20 12:43	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/18/20 14:42*	*09/22/20 12:43*	*20*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/18/20 14:42*	*09/22/20 12:43*	*20*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*09/18/20 14:42*	*09/22/20 12:43*	*20*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/18/20 14:42*	*09/22/20 12:43*	*20*

Client Sample ID: D-04 (28.8)

Date Collected: 09/16/20 13:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-6
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,1,2,2-Tetrachloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,1,2-Trichloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,1-Dichloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,1-Dichloroethene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2,4-Trichlorobenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2-Dibromo-3-Chloropropane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2-Dibromoethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2-Dichlorobenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2-Dichloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,2-Dichloropropane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,3-Dichlorobenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
1,4-Dichlorobenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methyl ethyl ketone (MEK)	ND		48000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
2-Hexanone	ND		48000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methyl isobutyl ketone (MIBK)	ND		48000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80

Client Sample ID: D-04 (28.8)

Date Collected: 09/16/20 13:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-6
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		48000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Benzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Bromodichloromethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Bromoform	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Bromomethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Carbon disulfide	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Carbon tetrachloride	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Chlorobenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Chloroethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Chloroform	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Chloromethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
cis-1,2-Dichloroethene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
cis-1,3-Dichloropropene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Cyclohexane	ND	*	9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Dibromochloromethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Dichlorodifluoromethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Ethylbenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Isopropylbenzene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methyl acetate	ND		48000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methyl tert-butyl ether	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methylcyclohexane	ND	*	9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Methylene Chloride	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Styrene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Tetrachloroethene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Toluene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
trans-1,2-Dichloroethene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
trans-1,3-Dichloropropene	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Trichloroethene	**320000**		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Trichlorofluoromethane	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Vinyl chloride	ND		9600		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80
Xylenes, Total	ND		19000		ug/Kg	☼	09/18/20 14:42	09/22/20 13:06	80

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/18/20 14:42*	*09/22/20 13:06*	*80*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*	*09/18/20 14:42*	*09/22/20 13:06*	*80*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/18/20 14:42*	*09/22/20 13:06*	*80*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/18/20 14:42*	*09/22/20 13:06*	*80*

Client Sample ID: D-01 (26)

Date Collected: 09/15/20 11:00
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-7
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-01 (26)
Date Collected: 09/15/20 11:00
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-7
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,2-Dichloroethane	**1200**		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methyl ethyl ketone (MEK)	ND		5800		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
2-Hexanone	ND		5800		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methyl isobutyl ketone (MIBK)	ND		5800		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Acetone	ND		5800		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Benzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Bromodichloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Bromoform	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Bromomethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Carbon disulfide	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Chlorobenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Chloroethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Chloroform	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Chloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
cis-1,2-Dichloroethene	**1600**		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Cyclohexane	ND	*	1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Dibromochloromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Ethylbenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Isopropylbenzene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methyl acetate	ND		5800		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methylcyclohexane	ND	*	1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Methylene Chloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Styrene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Tetrachloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Toluene	**1300**		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Trichloroethene	**45000**		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Vinyl chloride	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10
Xylenes, Total	ND		2300		ug/Kg	☼	09/18/20 14:42	09/22/20 13:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/18/20 14:42*	*09/22/20 13:29*	*10*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/18/20 14:42*	*09/22/20 13:29*	*10*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/18/20 14:42*	*09/22/20 13:29*	*10*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/18/20 14:42*	*09/22/20 13:29*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-05 (29.5)
Date Collected: 09/17/20 09:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-1
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,1,2,2-Tetrachloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,1,2-Trichloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,1-Dichloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,1-Dichloroethene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2,4-Trichlorobenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2-Dibromo-3-Chloropropane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2-Dibromoethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2-Dichlorobenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2-Dichloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,2-Dichloropropane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,3-Dichlorobenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
1,4-Dichlorobenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methyl ethyl ketone (MEK)	ND		1300		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
2-Hexanone	ND		1300		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methyl isobutyl ketone (MIBK)	ND		1300		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Acetone	ND		1300		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Benzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Bromodichloromethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Bromoform	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Bromomethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Carbon disulfide	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Carbon tetrachloride	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Chlorobenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Chloroethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Chloroform	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Chloromethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
cis-1,2-Dichloroethene	**4000**		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
cis-1,3-Dichloropropene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Cyclohexane	ND	*	260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Dibromochloromethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Dichlorodifluoromethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Ethylbenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Isopropylbenzene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methyl acetate	ND		1300		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methyl tert-butyl ether	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methylcyclohexane	ND	*	260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Methylene Chloride	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Styrene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Tetrachloroethene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Toluene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
trans-1,2-Dichloroethene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
trans-1,3-Dichloropropene	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Trichloroethene	**14000**		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Trichlorofluoromethane	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Vinyl chloride	ND		260		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2
Xylenes, Total	ND		530		ug/Kg	☼	09/18/20 14:42	09/22/20 14:15	2

Client Sample ID: D-05 (29.5)

Date Collected: 09/17/20 09:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-1

Matrix: Solid
Percent Solids: 80.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	09/18/20 14:42	09/22/20 14:15	2
4-Bromofluorobenzene (Surr)	101		49 - 148	09/18/20 14:42	09/22/20 14:15	2
Dibromofluoromethane (Surr)	97		60 - 140	09/18/20 14:42	09/22/20 14:15	2
Toluene-d8 (Surr)	101		50 - 149	09/18/20 14:42	09/22/20 14:15	2

Client Sample ID: D-05 (30.3)

Date Collected: 09/17/20 09:50
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-2

Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,1,2,2-Tetrachloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,1,2-Trichloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,1-Dichloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,1-Dichloroethene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2,4-Trichlorobenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2-Dibromo-3-Chloropropane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2-Dibromoethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2-Dichlorobenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2-Dichloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,2-Dichloropropane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,3-Dichlorobenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
1,4-Dichlorobenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methyl ethyl ketone (MEK)	ND		2900		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
2-Hexanone	ND		2900		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methyl isobutyl ketone (MIBK)	ND		2900		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Acetone	ND		2900		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Benzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Bromodichloromethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Bromoform	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Bromomethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Carbon disulfide	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Carbon tetrachloride	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Chlorobenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Chloroethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Chloroform	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Chloromethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
cis-1,2-Dichloroethene	**8600**		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
cis-1,3-Dichloropropene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Cyclohexane	ND	*	580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Dibromochloromethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Dichlorodifluoromethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Ethylbenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Isopropylbenzene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methyl acetate	ND		2900		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methyl tert-butyl ether	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methylcyclohexane	ND	*	580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Methylene Chloride	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4

Client Sample ID: D-05 (30.3)

Date Collected: 09/17/20 09:50
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-2

Matrix: Solid
Percent Solids: 76.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Tetrachloroethene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Toluene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
trans-1,2-Dichloroethene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
trans-1,3-Dichloropropene	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Trichloroethene	**27000**		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Trichlorofluoromethane	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Vinyl chloride	ND		580		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4
Xylenes, Total	ND		1200		ug/Kg	☼	09/18/20 14:42	09/22/20 14:39	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/18/20 14:42*	*09/22/20 14:39*	*4*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/18/20 14:42*	*09/22/20 14:39*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/18/20 14:42*	*09/22/20 14:39*	*4*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/18/20 14:42*	*09/22/20 14:39*	*4*

Client Sample ID: D-05 (32.8)

Date Collected: 09/17/20 10:05
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-3

Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,1,2,2-Tetrachloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,1,2-Trichloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,1-Dichloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,1-Dichloroethene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2,4-Trichlorobenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2-Dibromo-3-Chloropropane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2-Dibromoethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2-Dichlorobenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2-Dichloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,2-Dichloropropane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,3-Dichlorobenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
1,4-Dichlorobenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methyl ethyl ketone (MEK)	ND		2700		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
2-Hexanone	ND		2700		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methyl isobutyl ketone (MIBK)	ND		2700		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Acetone	ND		2700		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Benzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Bromodichloromethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Bromoform	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Bromomethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Carbon disulfide	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Carbon tetrachloride	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Chlorobenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Chloroethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Chloroform	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Chloromethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4

Client Sample ID: D-05 (32.8)

Date Collected: 09/17/20 10:05
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-3

Matrix: Solid
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1400**		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
cis-1,3-Dichloropropene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Cyclohexane	ND	*	550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Dibromochloromethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Dichlorodifluoromethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Ethylbenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Isopropylbenzene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methyl acetate	ND		2700		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methyl tert-butyl ether	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methylcyclohexane	ND	*	550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Methylene Chloride	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Styrene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Tetrachloroethene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Toluene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
trans-1,2-Dichloroethene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
trans-1,3-Dichloropropene	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Trichloroethene	**29000**		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Trichlorofluoromethane	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Vinyl chloride	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4
Xylenes, Total	ND		1100		ug/Kg	☼	09/18/20 14:42	09/22/20 15:02	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*09/18/20 14:42*	*09/22/20 15:02*	*4*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/18/20 14:42*	*09/22/20 15:02*	*4*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/18/20 14:42*	*09/22/20 15:02*	*4*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/18/20 14:42*	*09/22/20 15:02*	*4*

Client Sample ID: D-06 (26.7)

Date Collected: 09/17/20 11:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-4

Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methyl ethyl ketone (MEK)	ND		590		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
2-Hexanone	ND		590		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methyl isobutyl ketone (MIBK)	ND		590		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1

Client Sample ID: D-06 (26.7)

Date Collected: 09/17/20 11:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-4

Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		590		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Benzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Bromodichloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Bromoform	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Bromomethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Carbon disulfide	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Carbon tetrachloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Chlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Chloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Chloroform	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Chloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
cis-1,2-Dichloroethene	**710**		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Cyclohexane	ND	*	120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Dibromochloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Ethylbenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Isopropylbenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methyl acetate	ND		590		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methylcyclohexane	ND	*	120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Methylene Chloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Styrene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Tetrachloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Toluene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Trichloroethene	**810**		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Vinyl chloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1
Xylenes, Total	ND		240		ug/Kg	☼	09/18/20 14:42	09/22/20 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*09/18/20 14:42*	*09/22/20 15:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/18/20 14:42*	*09/22/20 15:25*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*09/18/20 14:42*	*09/22/20 15:25*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/18/20 14:42*	*09/22/20 15:25*	*1*

Client Sample ID: D-06 (34.5)

Date Collected: 09/17/20 12:10
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-5

Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-06 (34.5)
Date Collected: 09/17/20 12:10
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-5
Matrix: Solid
Percent Solids: 93.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methyl ethyl ketone (MEK)	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
2-Hexanone	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methyl isobutyl ketone (MIBK)	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Acetone	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Benzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Bromoform	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Bromomethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Carbon disulfide	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Chlorobenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Chloroethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Chloroform	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Chloromethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
cis-1,2-Dichloroethene	**290**		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Cyclohexane	ND	*	110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Ethylbenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methyl acetate	ND		550		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methylcyclohexane	ND	*	110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Methylene Chloride	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Styrene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Toluene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Trichloroethene	**2600**		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Vinyl chloride	ND		110		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1
Xylenes, Total	ND		220		ug/Kg	☼	09/18/20 14:42	09/22/20 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/18/20 14:42*	*09/22/20 15:47*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*09/18/20 14:42*	*09/22/20 15:47*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*09/18/20 14:42*	*09/22/20 15:47*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/18/20 14:42*	*09/22/20 15:47*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-06 (37.6)
Date Collected: 09/17/20 12:20
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-6
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,1,2,2-Tetrachloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,1,2-Trichloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,1-Dichloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,1-Dichloroethene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2,4-Trichlorobenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2-Dibromo-3-Chloropropane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2-Dibromoethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2-Dichlorobenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2-Dichloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,2-Dichloropropane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,3-Dichlorobenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
1,4-Dichlorobenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methyl ethyl ketone (MEK)	ND		2200		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
2-Hexanone	ND		2200		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methyl isobutyl ketone (MIBK)	ND		2200		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Acetone	ND		2200		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Benzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Bromodichloromethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Bromoform	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Bromomethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Carbon disulfide	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Carbon tetrachloride	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Chlorobenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Chloroethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Chloroform	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Chloromethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
cis-1,2-Dichloroethene	**730**		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
cis-1,3-Dichloropropene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Cyclohexane	ND	*	430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Dibromochloromethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Dichlorodifluoromethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Ethylbenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Isopropylbenzene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methyl acetate	ND		2200		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methyl tert-butyl ether	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methylcyclohexane	ND	*	430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Methylene Chloride	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Styrene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Tetrachloroethene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Toluene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
trans-1,2-Dichloroethene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
trans-1,3-Dichloropropene	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Trichloroethene	**15000**		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Trichlorofluoromethane	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Vinyl chloride	ND		430		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4
Xylenes, Total	ND		870		ug/Kg	☼	09/18/20 14:42	09/22/20 16:11	4

Client Sample ID: D-06 (37.6)

Date Collected: 09/17/20 12:20
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-6

Matrix: Solid
Percent Solids: 93.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/18/20 14:42*	*09/22/20 16:11*	*4*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/18/20 14:42*	*09/22/20 16:11*	*4*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/18/20 14:42*	*09/22/20 16:11*	*4*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/18/20 14:42*	*09/22/20 16:11*	*4*

Client Sample ID: D-07 (18.5)

Date Collected: 09/17/20 14:00
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-7

Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2-Dichloroethane	**120**		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methyl ethyl ketone (MEK)	ND		590		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
2-Hexanone	ND		590		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methyl isobutyl ketone (MIBK)	ND		590		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Acetone	ND		590		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Benzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Bromodichloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Bromoform	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Bromomethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Carbon disulfide	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Carbon tetrachloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Chlorobenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Chloroethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Chloroform	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Chloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
cis-1,2-Dichloroethene	**860**		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Cyclohexane	ND	*	120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Dibromochloromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Ethylbenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Isopropylbenzene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methyl acetate	ND		590		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methylcyclohexane	ND	*	120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Methylene Chloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1

Client Sample ID: D-07 (18.5)

Date Collected: 09/17/20 14:00
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-7
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Tetrachloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Toluene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Trichloroethene	**1300**		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Vinyl chloride	ND		120		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1
Xylenes, Total	ND		240		ug/Kg	☼	09/18/20 14:42	09/23/20 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/18/20 14:42*	*09/23/20 16:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/18/20 14:42*	*09/23/20 16:17*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*09/18/20 14:42*	*09/23/20 16:17*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/18/20 14:42*	*09/23/20 16:17*	*1*

Client Sample ID: D-08 (22)

Date Collected: 09/18/20 09:35
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-1
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2-Dichloroethane	**270**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methyl ethyl ketone (MEK)	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
2-Hexanone	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methyl isobutyl ketone (MIBK)	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Acetone	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Benzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Bromoform	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Bromomethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Carbon disulfide	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Chlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Chloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Chloroform	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Chloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1

Client Sample ID: D-08 (22)

Date Collected: 09/18/20 09:35
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-1

Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1500**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Cyclohexane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Ethylbenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methyl acetate	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methylcyclohexane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Methylene Chloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Styrene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Toluene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Trichloroethene	**4800**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Vinyl chloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1
Xylenes, Total	ND		230		ug/Kg	☼	09/21/20 14:40	09/23/20 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/21/20 14:40*	*09/23/20 13:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*09/21/20 14:40*	*09/23/20 13:57*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*09/21/20 14:40*	*09/23/20 13:57*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/21/20 14:40*	*09/23/20 13:57*	*1*

Client Sample ID: D-09 (16.5)

Date Collected: 09/18/20 11:40
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-2

Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,1,2,2-Tetrachloroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,1,2-Trichloroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,1-Dichloroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,1-Dichloroethene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2,4-Trichlorobenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2-Dibromo-3-Chloropropane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2-Dibromoethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2-Dichlorobenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2-Dichloroethane	**650**		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,2-Dichloropropane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,3-Dichlorobenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
1,4-Dichlorobenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methyl ethyl ketone (MEK)	ND		1100		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
2-Hexanone	ND		1100		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methyl isobutyl ketone (MIBK)	ND		1100		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2

Client Sample ID: D-09 (16.5)

Date Collected: 09/18/20 11:40
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-2

Matrix: Solid
Percent Solids: 91.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		1100		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Benzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Bromodichloromethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Bromoform	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Bromomethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Carbon disulfide	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Carbon tetrachloride	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Chlorobenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Chloroethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Chloroform	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Chloromethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
cis-1,2-Dichloroethene	**3800**	**F1**	220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
cis-1,3-Dichloropropene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Cyclohexane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Dibromochloromethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Dichlorodifluoromethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Ethylbenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Isopropylbenzene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methyl acetate	ND		1100		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methyl tert-butyl ether	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methylcyclohexane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Methylene Chloride	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Styrene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Tetrachloroethene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Toluene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
trans-1,2-Dichloroethene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
trans-1,3-Dichloropropene	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Trichloroethene	**12000**		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Trichlorofluoromethane	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Vinyl chloride	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2
Xylenes, Total	ND		450		ug/Kg	☼	09/21/20 14:40	09/23/20 14:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*09/21/20 14:40*	*09/23/20 14:20*	*2*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/21/20 14:40*	*09/23/20 14:20*	*2*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*09/21/20 14:40*	*09/23/20 14:20*	*2*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/21/20 14:40*	*09/23/20 14:20*	*2*

Client Sample ID: D-10 (29.5)

Date Collected: 09/18/20 14:45
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-3

Matrix: Solid
Percent Solids: 74.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,1,2,2-Tetrachloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,1,2-Trichloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,1-Dichloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,1-Dichloroethene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4

Client Sample ID: D-10 (29.5)

Date Collected: 09/18/20 14:45
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-3

Matrix: Solid
Percent Solids: 74.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,2-Dibromo-3-Chloropropane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,2-Dibromoethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,2-Dichlorobenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,2-Dichloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,2-Dichloropropane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,3-Dichlorobenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
1,4-Dichlorobenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methyl ethyl ketone (MEK)	ND		2900		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
2-Hexanone	ND		2900		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methyl isobutyl ketone (MIBK)	ND		2900		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Acetone	ND		2900		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Benzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Bromodichloromethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Bromoform	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Bromomethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Carbon disulfide	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Carbon tetrachloride	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Chlorobenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Chloroethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Chloroform	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Chloromethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
cis-1,2-Dichloroethene	**4700**		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
cis-1,3-Dichloropropene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Cyclohexane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Dibromochloromethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Dichlorodifluoromethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Ethylbenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Isopropylbenzene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methyl acetate	ND		2900		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methyl tert-butyl ether	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methylcyclohexane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Methylene Chloride	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Styrene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Tetrachloroethene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Toluene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
trans-1,2-Dichloroethene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
trans-1,3-Dichloropropene	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Trichloroethene	**36000**		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Trichlorofluoromethane	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Vinyl chloride	ND		580		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4
Xylenes, Total	ND		1200		ug/Kg	☼	09/21/20 14:40	09/23/20 14:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/21/20 14:40*	*09/23/20 14:43*	*4*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/21/20 14:40*	*09/23/20 14:43*	*4*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/21/20 14:40*	*09/23/20 14:43*	*4*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/21/20 14:40*	*09/23/20 14:43*	*4*

Client Sample ID: DUP-03_20200918

Date Collected: 09/18/20 00:00
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-4

Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2-Dichloroethane	**160**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methyl ethyl ketone (MEK)	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
2-Hexanone	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methyl isobutyl ketone (MIBK)	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Acetone	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Benzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Bromodichloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Bromoform	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Bromomethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Carbon disulfide	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Carbon tetrachloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Chlorobenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Chloroethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Chloroform	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Chloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
cis-1,2-Dichloroethene	**640**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Cyclohexane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Dibromochloromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Ethylbenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Isopropylbenzene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methyl acetate	ND		560		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methylcyclohexane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Methylene Chloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Styrene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Tetrachloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Toluene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Trichloroethene	**1400**		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Vinyl chloride	ND		110		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1
Xylenes, Total	ND		220		ug/Kg	☼	09/21/20 14:40	09/23/20 15:06	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: DUP-03_20200918
Date Collected: 09/18/20 00:00
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-4
Matrix: Solid
Percent Solids: 90.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	09/21/20 14:40	09/23/20 15:06	1
4-Bromofluorobenzene (Surr)	103		49 - 148	09/21/20 14:40	09/23/20 15:06	1
Dibromofluoromethane (Surr)	96		60 - 140	09/21/20 14:40	09/23/20 15:06	1
Toluene-d8 (Surr)	99		50 - 149	09/21/20 14:40	09/23/20 15:06	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-175093-1	S-01(1)	107	96	102	98
480-175093-2	S-01(3.5)	105	96	104	97
480-175093-5	S-03(0.5)	104	94	103	99
480-175093-7	S-04(0.4)	106	94	103	96
480-175093-8	S-04(0.7)	104	92	101	96
480-175093-10	S-06(0.5)	105	94	104	96
480-175093-10 MS	S-06(0.5)	94	97	101	99
480-175093-10 MSD	S-06(0.5)	92	97	101	99
480-175093-11	S-06(1.3)	104	93	101	97
480-175093-12	S-07(0.5)	104	93	103	98
480-175093-13	S-07(1.5)	107	90	105	100
480-175093-14	S-08(0.5)	104	86	103	104
480-175093-15	S-08(1.3)	108	92	106	100
480-175093-19	S-10(4)	105	96	104	96
LCS 480-549597/1-A	Lab Control Sample	101	101	101	98
LCS 480-549770/1-A	Lab Control Sample	100	101	101	98
LCS 480-550401/1-A	Lab Control Sample	103	99	104	96
MB 480-549597/23-A	Method Blank	106	97	103	96
MB 480-549770/2-A	Method Blank	101	95	99	96
MB 480-550401/2-A	Method Blank	106	95	104	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-175093-3	S-02(0.5)	97	97	95	97
480-175093-3 - DL	S-02(0.5)	107	100	103	97
480-175093-4	S-02(1)	102	104	103	101
480-175093-5 - DL	S-03(0.5)	100	103	100	99
480-175093-6	S-03(1)	99	104	101	103
480-175093-9	S-05(1.3)	105	104	103	100
480-175093-9 MS	S-05(1.3)	97	103	99	99
480-175093-9 MSD	S-05(1.3)	101	103	101	101
480-175093-13 - DL	S-07(1.5)	103	100	103	99
480-175093-14 - DL	S-08(0.5)	102	100	100	99
480-175093-15 - DL	S-08(1.3)	100	101	104	101
480-175093-16	S-09(0.5)	101	100	96	99
480-175093-17	S-09(1.3)	101	99	102	99
480-175093-18	S-10(1)	100	103	102	100
480-175093-20	DUP-01_20200914	99	101	97	100
480-175093-21	S-11(0.5)	98	99	97	97
480-175093-22	S-11(1.3)	102	99	102	101

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-175093-23	S-12(0.8)	105	101	104	101
480-175093-24	S-12(1.6)	105	99	108	97
480-175093-25	S-13(0.3)	103	102	102	101
480-175093-26	S-13(0.9)	100	103	101	101
480-175093-27	S-05(0.6)	94	100	96	97
480-175162-2	D-01 (29.3)	105	98	100	99
480-175162-3	D-01 (32.5)	103	101	102	103
480-175162-3 MS	D-01 (32.5)	101	100	105	101
480-175162-3 MSD	D-01 (32.5)	99	101	104	99
480-175162-4	D-02 (25)	101	102	103	100
480-175162-5	D-02 (32)	104	100	103	100
480-175162-6	D-02 (33)	103	97	106	98
480-175162-7	DUP-02_20200915	104	99	106	98
480-175245-1	D-03 (31.5)	103	101	104	101
480-175245-2	D-03 (35)	104	102	104	102
480-175245-3	D-04 (29.1)	103	100	110	99
480-175245-4	D-04 (29.8)	100	104	101	98
480-175245-5	D-04 (28.3)	105	102	108	103
480-175245-6	D-04 (28.8)	103	105	101	103
480-175245-7	D-01 (26)	103	103	105	103
480-175335-1	D-05 (29.5)	98	101	97	101
480-175335-2	D-05 (30.3)	103	104	103	102
480-175335-3	D-05 (32.8)	106	102	106	100
480-175335-4	D-06 (26.7)	98	101	97	100
480-175335-5	D-06 (34.5)	100	101	94	99
480-175335-6	D-06 (37.6)	105	102	102	102
480-175335-7	D-07 (18.5)	99	103	96	101
480-175391-1	D-08 (22)	103	102	97	100
480-175391-2	D-09 (16.5)	98	106	98	102
480-175391-2 MS	D-09 (16.5)	103	102	102	101
480-175391-2 MSD	D-09 (16.5)	99	104	104	102
480-175391-3	D-10 (29.5)	102	104	100	102
480-175391-4	DUP-03_20200918	100	103	96	99
LCS 480-549981/1-A	Lab Control Sample	95	101	104	101
LCS 480-550000/1-A	Lab Control Sample	97	102	100	101
LCS 480-550212/1-A	Lab Control Sample	99	102	104	100
LCS 480-550476/1-A	Lab Control Sample	99	105	102	103
MB 480-549981/2-A	Method Blank	101	104	98	101
MB 480-550000/2-A	Method Blank	102	104	101	99
MB 480-550212/2-A	Method Blank	99	103	97	100
MB 480-550476/2-A	Method Blank	98	103	100	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-549597/23-A
Matrix: Solid
Analysis Batch: 549614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549597

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2-Dibromoethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
2-Hexanone	ND		25		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Acetone	ND		25		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Benzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Bromodichloromethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Bromoform	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Bromomethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Carbon disulfide	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Chlorobenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Chloroethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Chloroform	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Chloromethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Cyclohexane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Dibromochloromethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Ethylbenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Isopropylbenzene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methyl acetate	ND		25		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methylcyclohexane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Methylene Chloride	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Styrene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Tetrachloroethene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Toluene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Trichloroethene	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Vinyl chloride	ND		5.0		ug/Kg		09/15/20 15:55	09/15/20 21:33	1
Xylenes, Total	ND		10		ug/Kg		09/15/20 15:55	09/15/20 21:33	1

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

Lab Sample ID: MB 480-549597/23-A
Matrix: Solid
Analysis Batch: 549614

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549597

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*09/15/20 15:55*	*09/15/20 21:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*	*09/15/20 15:55*	*09/15/20 21:33*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/15/20 15:55*	*09/15/20 21:33*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/15/20 15:55*	*09/15/20 21:33*	*1*

Lab Sample ID: LCS 480-549597/1-A
Matrix: Solid
Analysis Batch: 549614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	54.2		ug/Kg		108	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.6		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	55.2		ug/Kg		110	60 - 140
1,1,2-Trichloroethane	50.0	48.1		ug/Kg		96	78 - 122
1,1-Dichloroethane	50.0	51.1		ug/Kg		102	73 - 126
1,1-Dichloroethene	50.0	52.7		ug/Kg		105	59 - 125
1,2,4-Trichlorobenzene	50.0	47.0		ug/Kg		94	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	49.5		ug/Kg		99	63 - 124
1,2-Dibromoethane	50.0	49.3		ug/Kg		99	78 - 120
1,2-Dichlorobenzene	50.0	47.2		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	49.7		ug/Kg		99	77 - 122
1,2-Dichloropropane	50.0	51.3		ug/Kg		103	75 - 124
1,3-Dichlorobenzene	50.0	48.1		ug/Kg		96	74 - 120
1,4-Dichlorobenzene	50.0	48.0		ug/Kg		96	73 - 120
Methyl ethyl ketone (MEK)	250	252		ug/Kg		101	70 - 134
2-Hexanone	250	251		ug/Kg		100	59 - 130
Methyl isobutyl ketone (MIBK)	250	245		ug/Kg		98	65 - 133
Acetone	250	241		ug/Kg		96	61 - 137
Benzene	50.0	51.4		ug/Kg		103	79 - 127
Bromodichloromethane	50.0	54.9		ug/Kg		110	80 - 122
Bromoform	50.0	45.9		ug/Kg		92	68 - 126
Bromomethane	50.0	50.3		ug/Kg		101	37 - 149
Carbon disulfide	50.0	50.4		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	56.9		ug/Kg		114	75 - 135
Chlorobenzene	50.0	48.6		ug/Kg		97	76 - 124
Chloroethane	50.0	53.4		ug/Kg		107	69 - 135
Chloroform	50.0	49.9		ug/Kg		100	80 - 120
Chloromethane	50.0	49.5		ug/Kg		99	63 - 127
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.0		ug/Kg		108	80 - 120
Cyclohexane	50.0	54.1		ug/Kg		108	65 - 120
Dibromochloromethane	50.0	54.1		ug/Kg		108	76 - 125
Dichlorodifluoromethane	50.0	59.1		ug/Kg		118	57 - 142
Ethylbenzene	50.0	50.1		ug/Kg		100	80 - 120
Isopropylbenzene	50.0	50.4		ug/Kg		101	72 - 120
Methyl acetate	100	99.9		ug/Kg		100	55 - 136
Methyl tert-butyl ether	50.0	49.8		ug/Kg		100	63 - 125
Methylcyclohexane	50.0	55.3		ug/Kg		111	60 - 140

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

Lab Sample ID: LCS 480-549597/1-A
Matrix: Solid
Analysis Batch: 549614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	49.3		ug/Kg		99	61 - 127
Styrene	50.0	47.9		ug/Kg		96	80 - 120
Tetrachloroethene	50.0	52.0		ug/Kg		104	74 - 122
Toluene	50.0	48.8		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.3		ug/Kg		103	78 - 126
trans-1,3-Dichloropropene	50.0	51.5		ug/Kg		103	73 - 123
Trichloroethene	50.0	52.9		ug/Kg		106	77 - 129
Trichlorofluoromethane	50.0	61.8		ug/Kg		124	65 - 146
Vinyl chloride	50.0	53.6		ug/Kg		107	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Lab Sample ID: MB 480-549770/2-A
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2-Dibromoethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
2-Hexanone	ND		25		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Acetone	ND		25		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Benzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Bromodichloromethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Bromoform	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Bromomethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Carbon disulfide	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Chlorobenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Chloroethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Chloroform	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1

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

Lab Sample ID: MB 480-549770/2-A
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549770

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Cyclohexane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Dibromochloromethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Ethylbenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Isopropylbenzene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methyl acetate	ND		25		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methylcyclohexane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Methylene Chloride	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Styrene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Tetrachloroethene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Toluene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Trichloroethene	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Vinyl chloride	ND		5.0		ug/Kg		09/16/20 11:20	09/16/20 12:19	1
Xylenes, Total	ND		10		ug/Kg		09/16/20 11:20	09/16/20 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*09/16/20 11:20*	*09/16/20 12:19*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*09/16/20 11:20*	*09/16/20 12:19*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*09/16/20 11:20*	*09/16/20 12:19*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*09/16/20 11:20*	*09/16/20 12:19*	*1*

Lab Sample ID: LCS 480-549770/1-A
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	56.5		ug/Kg		113	77 - 121
1,1,2,2-Tetrachloroethane	50.0	46.2		ug/Kg		92	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	59.9		ug/Kg		120	60 - 140
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	54.2		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	57.7		ug/Kg		115	59 - 125
1,2,4-Trichlorobenzene	50.0	48.1		ug/Kg		96	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.8		ug/Kg		94	63 - 124
1,2-Dibromoethane	50.0	47.7		ug/Kg		95	78 - 120
1,2-Dichlorobenzene	50.0	47.5		ug/Kg		95	75 - 120
1,2-Dichloroethane	50.0	49.4		ug/Kg		99	77 - 122
1,2-Dichloropropane	50.0	51.5		ug/Kg		103	75 - 124
1,3-Dichlorobenzene	50.0	49.4		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	48.9		ug/Kg		98	73 - 120
Methyl ethyl ketone (MEK)	250	236		ug/Kg		94	70 - 134

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

Lab Sample ID: LCS 480-549770/1-A
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	250	230		ug/Kg		92	59 - 130
Methyl isobutyl ketone (MIBK)	250	228		ug/Kg		91	65 - 133
Acetone	250	233		ug/Kg		93	61 - 137
Benzene	50.0	53.0		ug/Kg		106	79 - 127
Bromodichloromethane	50.0	53.7		ug/Kg		107	80 - 122
Bromoform	50.0	42.7		ug/Kg		85	68 - 126
Bromomethane	50.0	57.2		ug/Kg		114	37 - 149
Carbon disulfide	50.0	55.7		ug/Kg		111	64 - 131
Carbon tetrachloride	50.0	58.7		ug/Kg		117	75 - 135
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
Chloroethane	50.0	60.2		ug/Kg		120	69 - 135
Chloroform	50.0	51.6		ug/Kg		103	80 - 120
Chloromethane	50.0	55.5		ug/Kg		111	63 - 127
cis-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	81 - 120
cis-1,3-Dichloropropene	50.0	52.8		ug/Kg		106	80 - 120
Cyclohexane	50.0	56.9		ug/Kg		114	65 - 120
Dibromochloromethane	50.0	53.5		ug/Kg		107	76 - 125
Dichlorodifluoromethane	50.0	62.4		ug/Kg		125	57 - 142
Ethylbenzene	50.0	51.0		ug/Kg		102	80 - 120
Isopropylbenzene	50.0	51.0		ug/Kg		102	72 - 120
Methyl acetate	100	98.8		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	50.1		ug/Kg		100	63 - 125
Methylcyclohexane	50.0	57.6		ug/Kg		115	60 - 140
Methylene Chloride	50.0	51.6		ug/Kg		103	61 - 127
Styrene	50.0	48.9		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	53.0		ug/Kg		106	74 - 122
Toluene	50.0	50.8		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	55.3		ug/Kg		111	78 - 126
trans-1,3-Dichloropropene	50.0	50.7		ug/Kg		101	73 - 123
Trichloroethene	50.0	54.8		ug/Kg		110	77 - 129
Trichlorofluoromethane	50.0	66.3		ug/Kg		133	65 - 146
Vinyl chloride	50.0	60.2		ug/Kg		120	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*98*		*71 - 125*

Lab Sample ID: 480-175093-10 MS
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: S-06(0.5)
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	vs	50.2	53.4	vs	ug/Kg	☼	106	77 - 121
1,1,2,2-Tetrachloroethane	ND	vs F1	50.2	39.5	vs F1	ug/Kg	☼	79	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	50.2	53.4	vs	ug/Kg	☼	106	60 - 140
1,1,2-Trichloroethane	ND	vs	50.2	42.0	vs	ug/Kg	☼	84	78 - 122

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

Lab Sample ID: 480-175093-10 MS
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: S-06(0.5)
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND	vs	50.2	51.1	vs	ug/Kg	☼	102	73 - 126
1,1-Dichloroethene	ND	vs	50.2	51.6	vs	ug/Kg	☼	103	59 - 125
1,2,4-Trichlorobenzene	ND	vs F1	50.2	27.7	vs F1	ug/Kg	☼	55	64 - 120
1,2-Dibromo-3-Chloropropane	ND	vs	50.2	34.2	vs	ug/Kg	☼	68	63 - 124
1,2-Dibromoethane	ND	vs	50.2	39.8	vs	ug/Kg	☼	79	78 - 120
1,2-Dichlorobenzene	ND	vs	50.2	38.4	vs	ug/Kg	☼	76	75 - 120
1,2-Dichloroethane	ND	vs	50.2	46.3	vs	ug/Kg	☼	92	77 - 122
1,2-Dichloropropane	ND	vs	50.2	49.9	vs	ug/Kg	☼	99	75 - 124
1,3-Dichlorobenzene	ND	vs	50.2	38.7	vs	ug/Kg	☼	77	74 - 120
1,4-Dichlorobenzene	ND	vs	50.2	38.6	vs	ug/Kg	☼	77	73 - 120
Methyl ethyl ketone (MEK)	ND	vs F1	251	167	vs F1	ug/Kg	☼	66	70 - 134
2-Hexanone	ND	vs	251	160	vs	ug/Kg	☼	64	59 - 130
Methyl isobutyl ketone (MIBK)	ND	vs	251	175	vs	ug/Kg	☼	70	65 - 133
Acetone	ND	vs	251	159	vs	ug/Kg	☼	64	61 - 137
Benzene	ND	vs	50.2	50.4	vs	ug/Kg	☼	100	79 - 127
Bromodichloromethane	ND	vs	50.2	51.3	vs	ug/Kg	☼	102	80 - 122
Bromoform	ND	vs	50.2	34.2	vs	ug/Kg	☼	68	68 - 126
Bromomethane	ND	vs	50.2	50.1	vs	ug/Kg	☼	100	37 - 149
Carbon disulfide	ND	vs	50.2	47.2	vs	ug/Kg	☼	94	64 - 131
Carbon tetrachloride	ND	vs	50.2	54.2	vs	ug/Kg	☼	108	75 - 135
Chlorobenzene	ND	vs	50.2	43.2	vs	ug/Kg	☼	86	76 - 124
Chloroethane	ND	vs	50.2	61.9	vs	ug/Kg	☼	123	69 - 135
Chloroform	ND	vs	50.2	50.4	vs	ug/Kg	☼	100	80 - 120
Chloromethane	ND	vs	50.2	51.5	vs	ug/Kg	☼	102	63 - 127
cis-1,2-Dichloroethene	ND	vs	50.2	50.0	vs	ug/Kg	☼	100	80 - 120
cis-1,3-Dichloropropene	ND	vs	50.2	43.9	vs	ug/Kg	☼	87	80 - 120
Cyclohexane	ND	vs	50.2	48.6	vs	ug/Kg	☼	97	65 - 120
Dibromochloromethane	ND	vs	50.2	46.8	vs	ug/Kg	☼	93	76 - 125
Dichlorodifluoromethane	ND	vs	50.2	57.9	vs	ug/Kg	☼	115	57 - 142
Ethylbenzene	ND	vs	50.2	45.3	vs	ug/Kg	☼	90	80 - 120
Isopropylbenzene	ND	vs	50.2	47.3	vs	ug/Kg	☼	94	72 - 120
Methyl acetate	ND	vs	100	76.7	vs	ug/Kg	☼	76	55 - 136
Methyl tert-butyl ether	ND	vs	50.2	46.2	vs	ug/Kg	☼	92	63 - 125
Methylcyclohexane	ND	vs	50.2	45.3	vs	ug/Kg	☼	90	60 - 140
Methylene Chloride	ND	vs	50.2	53.8	vs	ug/Kg	☼	107	61 - 127
Styrene	ND	vs	50.2	40.5	vs	ug/Kg	☼	81	80 - 120
Tetrachloroethene	ND	vs	50.2	45.1	vs	ug/Kg	☼	90	74 - 122
Toluene	ND	vs	50.2	46.9	vs	ug/Kg	☼	93	74 - 128
trans-1,2-Dichloroethene	ND	vs	50.2	50.6	vs	ug/Kg	☼	101	78 - 126
trans-1,3-Dichloropropene	ND	vs	50.2	40.6	vs	ug/Kg	☼	81	73 - 123
Trichloroethene	ND	vs	50.2	60.8	vs	ug/Kg	☼	114	77 - 129
Trichlorofluoromethane	ND	vs	50.2	63.9	vs	ug/Kg	☼	127	65 - 146
Vinyl chloride	ND	vs	50.2	56.8	vs	ug/Kg	☼	113	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*64 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

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

Lab Sample ID: 480-175093-10 MS
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: S-06(0.5)
Prep Type: Total/NA
Prep Batch: 549770

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*99*		*71 - 125*

Lab Sample ID: 480-175093-10 MSD
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: S-06(0.5)
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	50.3	55.0	vs	ug/Kg	☼	109	77 - 121	3	30
1,1,2,2-Tetrachloroethane	ND	vs F1	50.3	38.4	vs F1	ug/Kg	☼	76	80 - 120	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	50.3	55.7	vs	ug/Kg	☼	111	60 - 140	4	30
1,1,2-Trichloroethane	ND	vs	50.3	42.5	vs	ug/Kg	☼	84	78 - 122	1	30
1,1-Dichloroethane	ND	vs	50.3	52.6	vs	ug/Kg	☼	105	73 - 126	3	30
1,1-Dichloroethene	ND	vs	50.3	54.4	vs	ug/Kg	☼	108	59 - 125	5	30
1,2,4-Trichlorobenzene	ND	vs F1	50.3	28.4	vs F1	ug/Kg	☼	56	64 - 120	2	30
1,2-Dibromo-3-Chloropropane	ND	vs	50.3	34.3	vs	ug/Kg	☼	68	63 - 124	0	30
1,2-Dibromoethane	ND	vs	50.3	39.0	vs	ug/Kg	☼	78	78 - 120	2	30
1,2-Dichlorobenzene	ND	vs	50.3	37.8	vs	ug/Kg	☼	75	75 - 120	2	30
1,2-Dichloroethane	ND	vs	50.3	46.1	vs	ug/Kg	☼	92	77 - 122	0	30
1,2-Dichloropropane	ND	vs	50.3	49.8	vs	ug/Kg	☼	99	75 - 124	0	30
1,3-Dichlorobenzene	ND	vs	50.3	38.5	vs	ug/Kg	☼	76	74 - 120	1	30
1,4-Dichlorobenzene	ND	vs	50.3	38.3	vs	ug/Kg	☼	76	73 - 120	1	30
Methyl ethyl ketone (MEK)	ND	vs F1	252	155	vs F1	ug/Kg	☼	62	70 - 134	7	30
2-Hexanone	ND	vs	252	152	vs	ug/Kg	☼	61	59 - 130	5	30
Methyl isobutyl ketone (MIBK)	ND	vs	252	170	vs	ug/Kg	☼	68	65 - 133	3	30
Acetone	ND	vs	252	162	vs	ug/Kg	☼	65	61 - 137	2	30
Benzene	ND	vs	50.3	50.4	vs	ug/Kg	☼	100	79 - 127	0	30
Bromodichloromethane	ND	vs	50.3	51.4	vs	ug/Kg	☼	102	80 - 122	0	30
Bromoform	ND	vs	50.3	34.1	vs	ug/Kg	☼	68	68 - 126	0	30
Bromomethane	ND	vs	50.3	54.3	vs	ug/Kg	☼	108	37 - 149	8	30
Carbon disulfide	ND	vs	50.3	50.1	vs	ug/Kg	☼	100	64 - 131	6	30
Carbon tetrachloride	ND	vs	50.3	55.7	vs	ug/Kg	☼	111	75 - 135	3	30
Chlorobenzene	ND	vs	50.3	43.4	vs	ug/Kg	☼	86	76 - 124	0	30
Chloroethane	ND	vs	50.3	67.3	vs	ug/Kg	☼	134	69 - 135	8	30
Chloroform	ND	vs	50.3	50.6	vs	ug/Kg	☼	101	80 - 120	0	30
Chloromethane	ND	vs	50.3	57.3	vs	ug/Kg	☼	114	63 - 127	11	30
cis-1,2-Dichloroethene	ND	vs	50.3	50.9	vs	ug/Kg	☼	101	80 - 120	2	30
cis-1,3-Dichloropropene	ND	vs	50.3	43.2	vs	ug/Kg	☼	86	80 - 120	2	30
Cyclohexane	ND	vs	50.3	50.4	vs	ug/Kg	☼	100	65 - 120	4	30
Dibromochloromethane	ND	vs	50.3	46.8	vs	ug/Kg	☼	93	76 - 125	0	30
Dichlorodifluoromethane	ND	vs	50.3	62.3	vs	ug/Kg	☼	124	57 - 142	7	30
Ethylbenzene	ND	vs	50.3	44.7	vs	ug/Kg	☼	89	80 - 120	1	30
Isopropylbenzene	ND	vs	50.3	46.1	vs	ug/Kg	☼	92	72 - 120	3	30
Methyl acetate	ND	vs	101	75.3	vs	ug/Kg	☼	75	55 - 136	2	30
Methyl tert-butyl ether	ND	vs	50.3	46.5	vs	ug/Kg	☼	92	63 - 125	1	30
Methylcyclohexane	ND	vs	50.3	45.1	vs	ug/Kg	☼	90	60 - 140	0	30
Methylene Chloride	ND	vs	50.3	55.2	vs	ug/Kg	☼	110	61 - 127	3	30
Styrene	ND	vs	50.3	40.2	vs	ug/Kg	☼	80	80 - 120	1	30
Tetrachloroethene	ND	vs	50.3	45.4	vs	ug/Kg	☼	90	74 - 122	1	30

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

Lab Sample ID: 480-175093-10 MSD
Matrix: Solid
Analysis Batch: 549700

Client Sample ID: S-06(0.5)
Prep Type: Total/NA
Prep Batch: 549770

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND	vs	50.3	46.3	vs	ug/Kg	☼	92	74 - 128	1	30
trans-1,2-Dichloroethene	ND	vs	50.3	52.3	vs	ug/Kg	☼	104	78 - 126	3	30
trans-1,3-Dichloropropene	ND	vs	50.3	40.8	vs	ug/Kg	☼	81	73 - 123	0	30
Trichloroethene	ND	vs	50.3	62.0	vs	ug/Kg	☼	117	77 - 129	2	30
Trichlorofluoromethane	ND	vs	50.3	66.3	vs	ug/Kg	☼	132	65 - 146	4	30
Vinyl chloride	ND	vs	50.3	62.0	vs	ug/Kg	☼	123	61 - 133	9	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*64 - 126*
4-Bromofluorobenzene (Surr)	*97*		*72 - 126*
Dibromofluoromethane (Surr)	*101*		*60 - 140*
Toluene-d8 (Surr)	*99*		*71 - 125*

Lab Sample ID: MB 480-549981/2-A
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,1-Dichloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,1-Dichloroethene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2-Dibromoethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2-Dichloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,2-Dichloropropane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
2-Hexanone	ND		500		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Acetone	ND		500		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Benzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Bromodichloromethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Bromoform	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Bromomethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Carbon disulfide	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Carbon tetrachloride	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Chlorobenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Chloroethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Chloroform	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Chloromethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1

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

Lab Sample ID: MB 480-549981/2-A
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 549981

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Dibromochloromethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Ethylbenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Isopropylbenzene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methyl acetate	ND		500		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methylcyclohexane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Methylene Chloride	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Styrene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Tetrachloroethene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Toluene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Trichloroethene	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Trichlorofluoromethane	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Vinyl chloride	ND		100		ug/Kg		09/17/20 12:53	09/20/20 11:34	1
Xylenes, Total	ND		200		ug/Kg		09/17/20 12:53	09/20/20 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/17/20 12:53*	*09/20/20 11:34*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/17/20 12:53*	*09/20/20 11:34*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*09/17/20 12:53*	*09/20/20 11:34*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*09/17/20 12:53*	*09/20/20 11:34*	*1*

Lab Sample ID: LCS 480-549981/1-A
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2960		ug/Kg		119	68 - 130
1,1,2,2-Tetrachloroethane	2500	2440		ug/Kg		98	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3070		ug/Kg		123	10 - 179
1,1,2-Trichloroethane	2500	2430		ug/Kg		97	80 - 120
1,1-Dichloroethane	2500	2700		ug/Kg		108	78 - 121
1,1-Dichloroethene	2500	2900		ug/Kg		116	48 - 133
1,2,4-Trichlorobenzene	2500	2850		ug/Kg		114	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2130		ug/Kg		85	56 - 122
1,2-Dibromoethane	2500	2530		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2710		ug/Kg		109	78 - 125
1,2-Dichloroethane	2500	2440		ug/Kg		97	74 - 127
1,2-Dichloropropane	2500	2610		ug/Kg		104	80 - 120
1,3-Dichlorobenzene	2500	2650		ug/Kg		106	80 - 120
1,4-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
Methyl ethyl ketone (MEK)	12500	10600		ug/Kg		85	54 - 149
2-Hexanone	12500	11500		ug/Kg		92	59 - 127
Methyl isobutyl ketone (MIBK)	12500	11400		ug/Kg		92	74 - 120
Acetone	12500	9880		ug/Kg		79	47 - 141

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

Lab Sample ID: LCS 480-549981/1-A
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 549981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2740		ug/Kg		110	77 - 125
Bromodichloromethane	2500	2600		ug/Kg		104	71 - 121
Bromoform	2500	2610		ug/Kg		104	48 - 125
Bromomethane	2500	2260		ug/Kg		90	39 - 149
Carbon disulfide	2500	2980		ug/Kg		119	40 - 136
Carbon tetrachloride	2500	2970		ug/Kg		119	54 - 135
Chlorobenzene	2500	2760		ug/Kg		110	76 - 126
Chloroethane	2500	1640		ug/Kg		66	23 - 150
Chloroform	2500	2650		ug/Kg		106	78 - 120
Chloromethane	2500	2610		ug/Kg		105	61 - 124
cis-1,2-Dichloroethene	2500	2810		ug/Kg		112	79 - 124
cis-1,3-Dichloropropene	2500	2590		ug/Kg		103	75 - 121
Cyclohexane	2500	3130		ug/Kg		125	49 - 129
Dibromochloromethane	2500	2660		ug/Kg		107	64 - 120
Dichlorodifluoromethane	2500	2590		ug/Kg		104	10 - 150
Ethylbenzene	2500	2810		ug/Kg		112	78 - 124
Isopropylbenzene	2500	2750		ug/Kg		110	76 - 120
Methyl acetate	5000	3780		ug/Kg		76	71 - 123
Methyl tert-butyl ether	2500	2520		ug/Kg		101	67 - 137
Methylcyclohexane	2500	3290	*	ug/Kg		132	50 - 130
Methylene Chloride	2500	2930		ug/Kg		117	75 - 118
Styrene	2500	2770		ug/Kg		111	80 - 120
Tetrachloroethene	2500	2970		ug/Kg		119	73 - 133
Toluene	2500	2770		ug/Kg		111	75 - 124
trans-1,2-Dichloroethene	2500	2910		ug/Kg		116	74 - 129
trans-1,3-Dichloropropene	2500	2540		ug/Kg		102	73 - 120
Trichloroethene	2500	2740		ug/Kg		109	75 - 131
Trichlorofluoromethane	2500	2490		ug/Kg		99	29 - 158
Vinyl chloride	2500	2800		ug/Kg		112	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-175162-3 MS
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: D-01 (32.5)
Prep Type: Total/NA
Prep Batch: 549981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2690	3190		ug/Kg	☼	119	64 - 142
1,1,2,2-Tetrachloroethane	ND		2690	2480		ug/Kg	☼	92	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2690	3870		ug/Kg	☼	144	64 - 154
1,1,2-Trichloroethane	ND		2690	2470		ug/Kg	☼	92	63 - 133
1,1-Dichloroethane	ND		2690	3000		ug/Kg	☼	112	64 - 135
1,1-Dichloroethene	ND		2690	3370		ug/Kg	☼	125	62 - 145
1,2,4-Trichlorobenzene	ND		2690	2870		ug/Kg	☼	106	56 - 145

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

Lab Sample ID: 480-175162-3 MS
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: D-01 (32.5)
Prep Type: Total/NA
Prep Batch: 549981

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	ND		2690	2190		ug/Kg	☼	82	40 - 122
1,2-Dibromoethane	ND		2690	2670		ug/Kg	☼	99	65 - 133
1,2-Dichlorobenzene	ND		2690	2800		ug/Kg	☼	104	68 - 133
1,2-Dichloroethane	ND		2690	3580		ug/Kg	☼	111	62 - 135
1,2-Dichloropropane	ND		2690	2960		ug/Kg	☼	110	67 - 139
1,3-Dichlorobenzene	ND		2690	2870		ug/Kg	☼	107	68 - 136
1,4-Dichlorobenzene	ND		2690	2960		ug/Kg	☼	110	69 - 136
Methyl ethyl ketone (MEK)	ND		13500	12400		ug/Kg	☼	92	46 - 132
2-Hexanone	ND		13500	11600		ug/Kg	☼	86	44 - 130
Methyl isobutyl ketone (MIBK)	ND		13500	12000		ug/Kg	☼	90	49 - 125
Acetone	ND		13500	12700		ug/Kg	☼	94	32 - 136
Benzene	ND		2690	3090		ug/Kg	☼	115	68 - 137
Bromodichloromethane	ND		2690	2710		ug/Kg	☼	101	62 - 136
Bromoform	ND		2690	2240		ug/Kg	☼	83	43 - 134
Bromomethane	ND		2690	2650		ug/Kg	☼	99	38 - 137
Carbon disulfide	ND		2690	3260		ug/Kg	☼	121	52 - 139
Carbon tetrachloride	ND		2690	3330		ug/Kg	☼	124	60 - 150
Chlorobenzene	ND		2690	2950		ug/Kg	☼	110	67 - 136
Chloroethane	ND		2690	2590		ug/Kg	☼	96	34 - 140
Chloroform	ND		2690	3040		ug/Kg	☼	113	64 - 133
Chloromethane	ND		2690	2700		ug/Kg	☼	100	47 - 143
cis-1,2-Dichloroethene	9400	F1	2690	15900	F1	ug/Kg	☼	242	65 - 137
cis-1,3-Dichloropropene	ND		2690	2490		ug/Kg	☼	93	61 - 148
Cyclohexane	ND		2690	3660		ug/Kg	☼	136	63 - 149
Dibromochloromethane	ND		2690	2580		ug/Kg	☼	96	57 - 137
Dichlorodifluoromethane	ND		2690	2360		ug/Kg	☼	88	26 - 150
Ethylbenzene	ND		2690	3010		ug/Kg	☼	112	67 - 136
Isopropylbenzene	ND		2690	2910		ug/Kg	☼	108	65 - 147
Methyl acetate	ND		5380	ND		ug/Kg	☼	102	50 - 124
Methyl tert-butyl ether	ND		2690	3090		ug/Kg	☼	115	60 - 130
Methylcyclohexane	ND	*	2690	3400		ug/Kg	☼	126	67 - 150
Methylene Chloride	ND	F2	2690	3120		ug/Kg	☼	116	63 - 138
Styrene	ND		2690	2740		ug/Kg	☼	102	68 - 137
Tetrachloroethene	ND		2690	3310		ug/Kg	☼	123	67 - 150
Toluene	1600		2690	5190		ug/Kg	☼	132	68 - 137
trans-1,2-Dichloroethene	ND		2690	3240		ug/Kg	☼	120	65 - 138
trans-1,3-Dichloropropene	ND		2690	2440		ug/Kg	☼	91	58 - 143
Trichloroethene	50000		2690	69400	4	ug/Kg	☼	735	69 - 143
Trichlorofluoromethane	ND		2690	2730		ug/Kg	☼	102	35 - 150
Vinyl chloride	ND		2690	2730		ug/Kg	☼	101	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Dibromofluoromethane (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

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

Lab Sample ID: 480-175162-3 MSD
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: D-01 (32.5)
Prep Type: Total/NA
Prep Batch: 549981

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2690	2940		ug/Kg	☼	109	64 - 142	8	20
1,1,2,2-Tetrachloroethane	ND		2690	2490		ug/Kg	☼	93	56 - 128	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2690	3440		ug/Kg	☼	128	64 - 154	12	20
1,1,2-Trichloroethane	ND		2690	2580		ug/Kg	☼	96	63 - 133	4	20
1,1-Dichloroethane	ND		2690	2880		ug/Kg	☼	107	64 - 135	4	20
1,1-Dichloroethene	ND		2690	3260		ug/Kg	☼	121	62 - 145	3	20
1,2,4-Trichlorobenzene	ND		2690	2640		ug/Kg	☼	98	56 - 145	8	20
1,2-Dibromo-3-Chloropropane	ND		2690	1910		ug/Kg	☼	71	40 - 122	14	20
1,2-Dibromoethane	ND		2690	2490		ug/Kg	☼	93	65 - 133	7	20
1,2-Dichlorobenzene	ND		2690	2860		ug/Kg	☼	107	68 - 133	2	20
1,2-Dichloroethane	ND		2690	3290		ug/Kg	☼	101	62 - 135	8	20
1,2-Dichloropropane	ND		2690	3010		ug/Kg	☼	112	67 - 139	2	20
1,3-Dichlorobenzene	ND		2690	2760		ug/Kg	☼	103	68 - 136	4	20
1,4-Dichlorobenzene	ND		2690	2740		ug/Kg	☼	102	69 - 136	8	20
Methyl ethyl ketone (MEK)	ND		13400	11700		ug/Kg	☼	87	46 - 132	7	20
2-Hexanone	ND		13400	11500		ug/Kg	☼	86	44 - 130	1	20
Methyl isobutyl ketone (MIBK)	ND		13400	11400		ug/Kg	☼	85	49 - 125	6	20
Acetone	ND		13400	12800		ug/Kg	☼	95	32 - 136	1	20
Benzene	ND		2690	2930		ug/Kg	☼	109	68 - 137	5	20
Bromodichloromethane	ND		2690	2510		ug/Kg	☼	93	62 - 136	8	20
Bromoform	ND		2690	2230		ug/Kg	☼	83	43 - 134	1	20
Bromomethane	ND		2690	2670		ug/Kg	☼	100	38 - 137	1	20
Carbon disulfide	ND		2690	3040		ug/Kg	☼	113	52 - 139	7	20
Carbon tetrachloride	ND		2690	3020		ug/Kg	☼	112	60 - 150	10	20
Chlorobenzene	ND		2690	2820		ug/Kg	☼	105	67 - 136	4	20
Chloroethane	ND		2690	2500		ug/Kg	☼	93	34 - 140	4	20
Chloroform	ND		2690	2900		ug/Kg	☼	108	64 - 133	5	20
Chloromethane	ND		2690	2500		ug/Kg	☼	93	47 - 143	8	20
cis-1,2-Dichloroethene	9400	F1	2690	15000	F1	ug/Kg	☼	207	65 - 137	6	20
cis-1,3-Dichloropropene	ND		2690	2500		ug/Kg	☼	93	61 - 148	0	20
Cyclohexane	ND		2690	3350		ug/Kg	☼	125	63 - 149	9	20
Dibromochloromethane	ND		2690	2680		ug/Kg	☼	100	57 - 137	4	20
Dichlorodifluoromethane	ND		2690	2290		ug/Kg	☼	85	26 - 150	3	20
Ethylbenzene	ND		2690	2930		ug/Kg	☼	109	67 - 136	3	20
Isopropylbenzene	ND		2690	2730		ug/Kg	☼	102	65 - 147	7	20
Methyl acetate	ND		5370	ND		ug/Kg	☼	95	50 - 124	7	20
Methyl tert-butyl ether	ND		2690	2780		ug/Kg	☼	103	60 - 130	11	20
Methylcyclohexane	ND	*	2690	3130		ug/Kg	☼	116	67 - 150	8	20
Methylene Chloride	ND	F2	2690	2410	F2	ug/Kg	☼	90	63 - 138	26	20
Styrene	ND		2690	2560		ug/Kg	☼	95	68 - 137	7	20
Tetrachloroethene	ND		2690	3050		ug/Kg	☼	114	67 - 150	8	20
Toluene	1600		2690	4970		ug/Kg	☼	125	68 - 137	4	20
trans-1,2-Dichloroethene	ND		2690	3110		ug/Kg	☼	116	65 - 138	4	20
trans-1,3-Dichloropropene	ND		2690	2360		ug/Kg	☼	88	58 - 143	4	20
Trichloroethene	50000		2690	65800	4	ug/Kg	☼	602	69 - 143	5	20
Trichlorofluoromethane	ND		2690	2560		ug/Kg	☼	95	35 - 150	7	20
Vinyl chloride	ND		2690	2520		ug/Kg	☼	94	56 - 150	8	20

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

Lab Sample ID: 480-175162-3 MSD
Matrix: Solid
Analysis Batch: 550311

Client Sample ID: D-01 (32.5)
Prep Type: Total/NA
Prep Batch: 549981

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*99*		*50 - 149*

Lab Sample ID: MB 480-550000/2-A
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,1-Dichloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,1-Dichloroethene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2-Dibromoethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2-Dichloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,2-Dichloropropane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
2-Hexanone	ND		500		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Acetone	ND		500		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Benzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Bromodichloromethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Bromoform	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Bromomethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Carbon disulfide	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Carbon tetrachloride	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Chlorobenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Chloroethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Chloroform	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Chloromethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Cyclohexane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Dibromochloromethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Ethylbenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Isopropylbenzene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Methyl acetate	ND		500		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Methylcyclohexane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1

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

Lab Sample ID: MB 480-550000/2-A
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550000

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Styrene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Tetrachloroethene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Toluene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Trichloroethene	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Trichlorofluoromethane	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Vinyl chloride	ND		100		ug/Kg		09/17/20 14:31	09/21/20 10:13	1
Xylenes, Total	ND		200		ug/Kg		09/17/20 14:31	09/21/20 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/17/20 14:31*	*09/21/20 10:13*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/17/20 14:31*	*09/21/20 10:13*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/17/20 14:31*	*09/21/20 10:13*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*09/17/20 14:31*	*09/21/20 10:13*	*1*

Lab Sample ID: LCS 480-550000/1-A
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2490		ug/Kg		100	68 - 130
1,1,2,2-Tetrachloroethane	2500	2040		ug/Kg		82	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2680		ug/Kg		107	10 - 179
1,1,2-Trichloroethane	2500	2320		ug/Kg		93	80 - 120
1,1-Dichloroethane	2500	2360		ug/Kg		94	78 - 121
1,1-Dichloroethene	2500	2490		ug/Kg		99	48 - 133
1,2,4-Trichlorobenzene	2500	2450		ug/Kg		98	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1740		ug/Kg		70	56 - 122
1,2-Dibromoethane	2500	2270		ug/Kg		91	80 - 120
1,2-Dichlorobenzene	2500	2330		ug/Kg		93	78 - 125
1,2-Dichloroethane	2500	2210		ug/Kg		88	74 - 127
1,2-Dichloropropane	2500	2400		ug/Kg		96	80 - 120
1,3-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2260		ug/Kg		90	80 - 120
Methyl ethyl ketone (MEK)	12500	10200		ug/Kg		82	54 - 149
2-Hexanone	12500	10300		ug/Kg		83	59 - 127
Methyl isobutyl ketone (MIBK)	12500	10000		ug/Kg		80	74 - 120
Acetone	12500	10200		ug/Kg		81	47 - 141
Benzene	2500	2400		ug/Kg		96	77 - 125
Bromodichloromethane	2500	2230		ug/Kg		89	71 - 121
Bromoform	2500	2240		ug/Kg		90	48 - 125
Bromomethane	2500	1600		ug/Kg		64	39 - 149
Carbon disulfide	2500	2510		ug/Kg		100	40 - 136
Carbon tetrachloride	2500	2530		ug/Kg		101	54 - 135
Chlorobenzene	2500	2440		ug/Kg		98	76 - 126
Chloroethane	2500	1150		ug/Kg		46	23 - 150

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

Lab Sample ID: LCS 480-550000/1-A
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	2500	2330		ug/Kg		93	78 - 120
Chloromethane	2500	1910		ug/Kg		77	61 - 124
cis-1,2-Dichloroethene	2500	2460		ug/Kg		98	79 - 124
cis-1,3-Dichloropropene	2500	2350		ug/Kg		94	75 - 121
Cyclohexane	2500	2730		ug/Kg		109	49 - 129
Dibromochloromethane	2500	2260		ug/Kg		90	64 - 120
Dichlorodifluoromethane	2500	2050		ug/Kg		82	10 - 150
Ethylbenzene	2500	2430		ug/Kg		97	78 - 124
Isopropylbenzene	2500	2310		ug/Kg		93	76 - 120
Methyl acetate	5000	4090		ug/Kg		82	71 - 123
Methyl tert-butyl ether	2500	2180		ug/Kg		87	67 - 137
Methylcyclohexane	2500	2760		ug/Kg		110	50 - 130
Methylene Chloride	2500	2560		ug/Kg		102	75 - 118
Styrene	2500	2440		ug/Kg		98	80 - 120
Tetrachloroethene	2500	2540		ug/Kg		102	73 - 133
Toluene	2500	2420		ug/Kg		97	75 - 124
trans-1,2-Dichloroethene	2500	2550		ug/Kg		102	74 - 129
trans-1,3-Dichloropropene	2500	2270		ug/Kg		91	73 - 120
Trichloroethene	2500	2510		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	1780		ug/Kg		71	29 - 158
Vinyl chloride	2500	2110		ug/Kg		84	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-175093-9 MS
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: S-05(1.3)
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2820	3400		ug/Kg	☼	121	64 - 142
1,1,2,2-Tetrachloroethane	ND		2820	ND		ug/Kg	☼	84	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2820	5430	F1	ug/Kg	☼	193	64 - 154
1,1,2-Trichloroethane	ND		2820	ND		ug/Kg	☼	86	63 - 133
1,1-Dichloroethane	ND		2820	ND		ug/Kg	☼	100	64 - 135
1,1-Dichloroethene	ND		2820	3140		ug/Kg	☼	112	62 - 145
1,2,4-Trichlorobenzene	ND		2820	ND		ug/Kg	☼	92	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2820	ND		ug/Kg	☼	73	40 - 122
1,2-Dibromoethane	ND		2820	ND		ug/Kg	☼	80	65 - 133
1,2-Dichlorobenzene	ND		2820	ND		ug/Kg	☼	87	68 - 133
1,2-Dichloroethane	ND		2820	3180		ug/Kg	☼	113	62 - 135
1,2-Dichloropropane	ND		2820	ND		ug/Kg	☼	93	67 - 139
1,3-Dichlorobenzene	ND	F2	2820	ND		ug/Kg	☼	90	68 - 136
1,4-Dichlorobenzene	ND		2820	ND		ug/Kg	☼	97	69 - 136
Methyl ethyl ketone (MEK)	ND		14100	ND		ug/Kg	☼	78	46 - 132

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

Lab Sample ID: 480-175093-9 MS
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: S-05(1.3)
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	ND		14100	ND		ug/Kg	☼	69	44 - 130
Methyl isobutyl ketone (MIBK)	ND		14100	ND		ug/Kg	☼	73	49 - 125
Acetone	ND	F1	14100	ND	F1	ug/Kg	☼	0	32 - 136
Benzene	ND		2820	ND		ug/Kg	☼	97	68 - 137
Bromodichloromethane	ND		2820	ND		ug/Kg	☼	80	62 - 136
Bromoform	ND		2820	ND		ug/Kg	☼	86	43 - 134
Bromomethane	ND		2820	3250		ug/Kg	☼	115	38 - 137
Carbon disulfide	ND		2820	ND		ug/Kg	☼	101	52 - 139
Carbon tetrachloride	ND		2820	ND		ug/Kg	☼	102	60 - 150
Chlorobenzene	ND		2820	ND		ug/Kg	☼	96	67 - 136
Chloroethane	ND		2820	ND		ug/Kg	☼	93	34 - 140
Chloroform	ND		2820	ND		ug/Kg	☼	104	64 - 133
Chloromethane	ND		2820	ND		ug/Kg	☼	105	47 - 143
cis-1,2-Dichloroethene	ND	F1	2820	9940	F1	ug/Kg	☼	260	65 - 137
cis-1,3-Dichloropropene	ND		2820	ND		ug/Kg	☼	75	61 - 148
Cyclohexane	ND		2820	3180		ug/Kg	☼	113	63 - 149
Dibromochloromethane	ND		2820	ND		ug/Kg	☼	87	57 - 137
Dichlorodifluoromethane	ND		2820	ND		ug/Kg	☼	97	26 - 150
Ethylbenzene	ND		2820	ND		ug/Kg	☼	93	67 - 136
Isopropylbenzene	ND		2820	ND		ug/Kg	☼	95	65 - 147
Methyl acetate	ND		5640	ND		ug/Kg	☼	87	50 - 124
Methyl tert-butyl ether	ND		2820	ND		ug/Kg	☼	87	60 - 130
Methylcyclohexane	ND		2820	3090		ug/Kg	☼	110	67 - 150
Methylene Chloride	ND	F1 F2	2820	ND	F1	ug/Kg	☼	51	63 - 138
Styrene	ND		2820	ND		ug/Kg	☼	87	68 - 137
Tetrachloroethene	ND		2820	3800		ug/Kg	☼	135	67 - 150
Toluene	ND		2820	ND		ug/Kg	☼	94	68 - 137
trans-1,2-Dichloroethene	ND		2820	3350		ug/Kg	☼	119	65 - 138
trans-1,3-Dichloropropene	ND		2820	ND		ug/Kg	☼	75	58 - 143
Trichloroethene	260000		2820	387000	E 4	ug/Kg	☼	4637	69 - 143
Trichlorofluoromethane	ND		2820	3070		ug/Kg	☼	109	35 - 150
Vinyl chloride	ND		2820	3070		ug/Kg	☼	109	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*99*		*50 - 149*

Lab Sample ID: 480-175093-9 MSD
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: S-05(1.3)
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2800	3890		ug/Kg	☼	139	64 - 142	13	20
1,1,2,2-Tetrachloroethane	ND		2800	ND		ug/Kg	☼	98	56 - 128	14	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2800	5420	F1	ug/Kg	☼	194	64 - 154	0	20
1,1,2-Trichloroethane	ND		2800	ND		ug/Kg	☼	90	63 - 133	4	20

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

Lab Sample ID: 480-175093-9 MSD
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: S-05(1.3)
Prep Type: Total/NA
Prep Batch: 550000

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	ND		2800	3150		ug/Kg	☼	112	64 - 135	11	20
1,1-Dichloroethene	ND		2800	3430		ug/Kg	☼	123	62 - 145	9	20
1,2,4-Trichlorobenzene	ND		2800	ND		ug/Kg	☼	101	56 - 145	8	20
1,2-Dibromo-3-Chloropropane	ND		2800	ND		ug/Kg	☼	68	40 - 122	8	20
1,2-Dibromoethane	ND		2800	ND		ug/Kg	☼	89	65 - 133	10	20
1,2-Dichlorobenzene	ND		2800	ND		ug/Kg	☼	100	68 - 133	13	20
1,2-Dichloroethane	ND		2800	3510		ug/Kg	☼	125	62 - 135	10	20
1,2-Dichloropropane	ND		2800	ND		ug/Kg	☼	100	67 - 139	7	20
1,3-Dichlorobenzene	ND	F2	2800	3150	F2	ug/Kg	☼	113	68 - 136	22	20
1,4-Dichlorobenzene	ND		2800	ND		ug/Kg	☼	100	69 - 136	3	20
Methyl ethyl ketone (MEK)	ND		14000	ND		ug/Kg	☼	82	46 - 132	5	20
2-Hexanone	ND		14000	ND		ug/Kg	☼	81	44 - 130	15	20
Methyl isobutyl ketone (MIBK)	ND		14000	ND		ug/Kg	☼	86	49 - 125	16	20
Acetone	ND	F1	14000	ND		ug/Kg	☼	92	32 - 136	NC	20
Benzene	ND		2800	3030		ug/Kg	☼	108	68 - 137	10	20
Bromodichloromethane	ND		2800	ND		ug/Kg	☼	93	62 - 136	14	20
Bromoform	ND		2800	ND		ug/Kg	☼	91	43 - 134	5	20
Bromomethane	ND		2800	3530		ug/Kg	☼	126	38 - 137	8	20
Carbon disulfide	ND		2800	3040		ug/Kg	☼	109	52 - 139	7	20
Carbon tetrachloride	ND		2800	3130		ug/Kg	☼	112	60 - 150	9	20
Chlorobenzene	ND		2800	3290		ug/Kg	☼	117	67 - 136	19	20
Chloroethane	ND		2800	ND		ug/Kg	☼	95	34 - 140	2	20
Chloroform	ND		2800	3570		ug/Kg	☼	127	64 - 133	19	20
Chloromethane	ND		2800	3260		ug/Kg	☼	116	47 - 143	10	20
cis-1,2-Dichloroethene	ND	F1	2800	10800	F1	ug/Kg	☼	291	65 - 137	8	20
cis-1,3-Dichloropropene	ND		2800	ND		ug/Kg	☼	90	61 - 148	17	20
Cyclohexane	ND		2800	3160		ug/Kg	☼	113	63 - 149	0	20
Dibromochloromethane	ND		2800	ND		ug/Kg	☼	89	57 - 137	2	20
Dichlorodifluoromethane	ND		2800	ND		ug/Kg	☼	88	26 - 150	10	20
Ethylbenzene	ND		2800	ND		ug/Kg	☼	105	67 - 136	11	20
Isopropylbenzene	ND		2800	ND		ug/Kg	☼	101	65 - 147	5	20
Methyl acetate	ND		5600	ND		ug/Kg	☼	96	50 - 124	10	20
Methyl tert-butyl ether	ND		2800	ND		ug/Kg	☼	100	60 - 130	13	20
Methylcyclohexane	ND		2800	3240		ug/Kg	☼	116	67 - 150	5	20
Methylene Chloride	ND	F1 F2	2800	ND	F2	ug/Kg	☼	83	63 - 138	48	20
Styrene	ND		2800	ND		ug/Kg	☼	98	68 - 137	12	20
Tetrachloroethene	ND		2800	4160		ug/Kg	☼	148	67 - 150	9	20
Toluene	ND		2800	3010		ug/Kg	☼	107	68 - 137	13	20
trans-1,2-Dichloroethene	ND		2800	3530		ug/Kg	☼	126	65 - 138	5	20
trans-1,3-Dichloropropene	ND		2800	ND		ug/Kg	☼	87	58 - 143	14	20
Trichloroethene	260000		2800	399000	E 4	ug/Kg	☼	5093	69 - 143	3	20
Trichlorofluoromethane	ND		2800	3330		ug/Kg	☼	119	35 - 150	8	20
Vinyl chloride	ND		2800	ND		ug/Kg	☼	101	56 - 150	8	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

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

Lab Sample ID: 480-175093-9 MSD
Matrix: Solid
Analysis Batch: 550340

Client Sample ID: S-05(1.3)
Prep Type: Total/NA
Prep Batch: 550000

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		50 - 149

Lab Sample ID: MB 480-550212/2-A
Matrix: Solid
Analysis Batch: 550512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,1-Dichloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,1-Dichloroethene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2-Dibromoethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2-Dichloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,2-Dichloropropane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
2-Hexanone	ND		500		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Acetone	ND		500		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Benzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Bromodichloromethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Bromoform	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Bromomethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Carbon disulfide	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Carbon tetrachloride	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Chlorobenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Chloroethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Chloroform	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Chloromethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Cyclohexane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Dibromochloromethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Ethylbenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Isopropylbenzene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methyl acetate	ND		500		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methylcyclohexane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Methylene Chloride	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Styrene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Tetrachloroethene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1

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

Lab Sample ID: MB 480-550212/2-A
Matrix: Solid
Analysis Batch: 550512

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Trichloroethene	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Trichlorofluoromethane	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Vinyl chloride	ND		100		ug/Kg		09/18/20 14:42	09/22/20 10:29	1
Xylenes, Total	ND		200		ug/Kg		09/18/20 14:42	09/22/20 10:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/18/20 14:42*	*09/22/20 10:29*	*1*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/18/20 14:42*	*09/22/20 10:29*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*09/18/20 14:42*	*09/22/20 10:29*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/18/20 14:42*	*09/22/20 10:29*	*1*

Lab Sample ID: LCS 480-550212/1-A
Matrix: Solid
Analysis Batch: 550512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2900		ug/Kg		116	68 - 130
1,1,2,2-Tetrachloroethane	2500	2350		ug/Kg		94	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3170		ug/Kg		127	10 - 179
1,1,2-Trichloroethane	2500	2550		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2710		ug/Kg		109	78 - 121
1,1-Dichloroethene	2500	3010		ug/Kg		120	48 - 133
1,2,4-Trichlorobenzene	2500	2790		ug/Kg		112	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2000		ug/Kg		80	56 - 122
1,2-Dibromoethane	2500	2560		ug/Kg		102	80 - 120
1,2-Dichlorobenzene	2500	2710		ug/Kg		108	78 - 125
1,2-Dichloroethane	2500	2530		ug/Kg		101	74 - 127
1,2-Dichloropropane	2500	2700		ug/Kg		108	80 - 120
1,3-Dichlorobenzene	2500	2690		ug/Kg		108	80 - 120
1,4-Dichlorobenzene	2500	2660		ug/Kg		106	80 - 120
Methyl ethyl ketone (MEK)	12500	11100		ug/Kg		88	54 - 149
2-Hexanone	12500	10900		ug/Kg		87	59 - 127
Methyl isobutyl ketone (MIBK)	12500	10900		ug/Kg		87	74 - 120
Acetone	12500	11100		ug/Kg		88	47 - 141
Benzene	2500	2820		ug/Kg		113	77 - 125
Bromodichloromethane	2500	2640		ug/Kg		106	71 - 121
Bromoform	2500	2510		ug/Kg		101	48 - 125
Bromomethane	2500	2130		ug/Kg		85	39 - 149
Carbon disulfide	2500	2920		ug/Kg		117	40 - 136
Carbon tetrachloride	2500	3050		ug/Kg		122	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Chloroethane	2500	1480		ug/Kg		59	23 - 150
Chloroform	2500	2670		ug/Kg		107	78 - 120
Chloromethane	2500	2540		ug/Kg		101	61 - 124
cis-1,2-Dichloroethene	2500	2810		ug/Kg		113	79 - 124

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

Lab Sample ID: LCS 480-550212/1-A
Matrix: Solid
Analysis Batch: 550512

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	2500	2760		ug/Kg		110	75 - 121
Cyclohexane	2500	3260	*	ug/Kg		130	49 - 129
Dibromochloromethane	2500	2530		ug/Kg		101	64 - 120
Dichlorodifluoromethane	2500	2750		ug/Kg		110	10 - 150
Ethylbenzene	2500	2770		ug/Kg		111	78 - 124
Isopropylbenzene	2500	2760		ug/Kg		110	76 - 120
Methyl acetate	5000	4840		ug/Kg		97	71 - 123
Methyl tert-butyl ether	2500	2580		ug/Kg		103	67 - 137
Methylcyclohexane	2500	3270	*	ug/Kg		131	50 - 130
Methylene Chloride	2500	2940		ug/Kg		117	75 - 118
Styrene	2500	2750		ug/Kg		110	80 - 120
Tetrachloroethene	2500	2940		ug/Kg		118	73 - 133
Toluene	2500	2740		ug/Kg		109	75 - 124
trans-1,2-Dichloroethene	2500	2960		ug/Kg		118	74 - 129
trans-1,3-Dichloropropene	2500	2560		ug/Kg		102	73 - 120
Trichloroethene	2500	2840		ug/Kg		114	75 - 131
Trichlorofluoromethane	2500	2470		ug/Kg		99	29 - 158
Vinyl chloride	2500	2730		ug/Kg		109	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*100*		*50 - 149*

Lab Sample ID: MB 480-550401/2-A
Matrix: Solid
Analysis Batch: 550359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,1-Dichloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,1-Dichloroethene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2-Dibromoethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2-Dichloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,2-Dichloropropane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
2-Hexanone	ND		25		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Acetone	ND		25		ug/Kg		09/21/20 09:53	09/21/20 11:12	1

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

Lab Sample ID: MB 480-550401/2-A
Matrix: Solid
Analysis Batch: 550359

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550401

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Bromodichloromethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Bromoform	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Bromomethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Carbon disulfide	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Carbon tetrachloride	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Chlorobenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Chloroethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Chloroform	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Chloromethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Cyclohexane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Dibromochloromethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Ethylbenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Isopropylbenzene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methyl acetate	ND		25		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methylcyclohexane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Methylene Chloride	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Styrene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Tetrachloroethene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Toluene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Trichloroethene	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Trichlorofluoromethane	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Vinyl chloride	ND		5.0		ug/Kg		09/21/20 09:53	09/21/20 11:12	1
Xylenes, Total	ND		10		ug/Kg		09/21/20 09:53	09/21/20 11:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*09/21/20 09:53*	*09/21/20 11:12*	*1*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*	*09/21/20 09:53*	*09/21/20 11:12*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/21/20 09:53*	*09/21/20 11:12*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*09/21/20 09:53*	*09/21/20 11:12*	*1*

Lab Sample ID: LCS 480-550401/1-A
Matrix: Solid
Analysis Batch: 550359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	56.7		ug/Kg		113	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	58.6		ug/Kg		117	60 - 140
1,1,2-Trichloroethane	50.0	47.7		ug/Kg		95	78 - 122
1,1-Dichloroethane	50.0	53.0		ug/Kg		106	73 - 126
1,1-Dichloroethene	50.0	55.9		ug/Kg		112	59 - 125

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

Lab Sample ID: LCS 480-550401/1-A
Matrix: Solid
Analysis Batch: 550359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550401

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	50.0	49.5		ug/Kg		99	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/Kg		105	63 - 124
1,2-Dibromoethane	50.0	48.8		ug/Kg		98	78 - 120
1,2-Dichlorobenzene	50.0	46.5		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	50.3		ug/Kg		101	77 - 122
1,2-Dichloropropane	50.0	51.2		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	46.6		ug/Kg		93	74 - 120
1,4-Dichlorobenzene	50.0	46.9		ug/Kg		94	73 - 120
Methyl ethyl ketone (MEK)	250	271		ug/Kg		108	70 - 134
2-Hexanone	250	260		ug/Kg		104	59 - 130
Methyl isobutyl ketone (MIBK)	250	253		ug/Kg		101	65 - 133
Acetone	250	277		ug/Kg		111	61 - 137
Benzene	50.0	51.7		ug/Kg		103	79 - 127
Bromodichloromethane	50.0	54.5		ug/Kg		109	80 - 122
Bromoform	50.0	45.2		ug/Kg		90	68 - 126
Bromomethane	50.0	54.7		ug/Kg		109	37 - 149
Carbon disulfide	50.0	53.6		ug/Kg		107	64 - 131
Carbon tetrachloride	50.0	57.9		ug/Kg		116	75 - 135
Chlorobenzene	50.0	47.0		ug/Kg		94	76 - 124
Chloroethane	50.0	56.3		ug/Kg		113	69 - 135
Chloroform	50.0	50.6		ug/Kg		101	80 - 120
Chloromethane	50.0	53.5		ug/Kg		107	63 - 127
cis-1,2-Dichloroethene	50.0	52.3		ug/Kg		105	81 - 120
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Cyclohexane	50.0	56.3		ug/Kg		113	65 - 120
Dibromochloromethane	50.0	53.4		ug/Kg		107	76 - 125
Dichlorodifluoromethane	50.0	53.0		ug/Kg		106	57 - 142
Ethylbenzene	50.0	47.9		ug/Kg		96	80 - 120
Isopropylbenzene	50.0	48.3		ug/Kg		97	72 - 120
Methyl acetate	100	111		ug/Kg		111	55 - 136
Methyl tert-butyl ether	50.0	53.1		ug/Kg		106	63 - 125
Methylcyclohexane	50.0	56.0		ug/Kg		112	60 - 140
Methylene Chloride	50.0	52.0		ug/Kg		104	61 - 127
Styrene	50.0	45.8		ug/Kg		92	80 - 120
Tetrachloroethene	50.0	49.8		ug/Kg		100	74 - 122
Toluene	50.0	47.4		ug/Kg		95	74 - 128
trans-1,2-Dichloroethene	50.0	54.2		ug/Kg		108	78 - 126
trans-1,3-Dichloropropene	50.0	50.3		ug/Kg		101	73 - 123
Trichloroethene	50.0	53.0		ug/Kg		106	77 - 129
Trichlorofluoromethane	50.0	65.5		ug/Kg		131	65 - 146
Vinyl chloride	50.0	59.1		ug/Kg		118	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*96*		*71 - 125*

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

Lab Sample ID: MB 480-550476/2-A
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550476

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,1-Dichloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,1-Dichloroethene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2-Dibromoethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2-Dichloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,2-Dichloropropane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
2-Hexanone	ND		500		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Acetone	ND		500		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Benzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Bromodichloromethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Bromoform	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Bromomethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Carbon disulfide	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Carbon tetrachloride	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Chlorobenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Chloroethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Chloroform	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Chloromethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Cyclohexane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Dibromochloromethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Ethylbenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Isopropylbenzene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methyl acetate	ND		500		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methylcyclohexane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Methylene Chloride	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Styrene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Tetrachloroethene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Toluene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Trichloroethene	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Trichlorofluoromethane	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Vinyl chloride	ND		100		ug/Kg		09/21/20 14:40	09/23/20 10:22	1
Xylenes, Total	ND		200		ug/Kg		09/21/20 14:40	09/23/20 10:22	1

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

Lab Sample ID: MB 480-550476/2-A
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550476

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*09/21/20 14:40*	*09/23/20 10:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*09/21/20 14:40*	*09/23/20 10:22*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/21/20 14:40*	*09/23/20 10:22*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*09/21/20 14:40*	*09/23/20 10:22*	*1*

Lab Sample ID: LCS 480-550476/1-A
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2740		ug/Kg		110	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2840		ug/Kg		113	10 - 179
1,1,2-Trichloroethane	2500	2490		ug/Kg		100	80 - 120
1,1-Dichloroethane	2500	2610		ug/Kg		104	78 - 121
1,1-Dichloroethene	2500	2710		ug/Kg		109	48 - 133
1,2,4-Trichlorobenzene	2500	2690		ug/Kg		108	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1960		ug/Kg		79	56 - 122
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2620		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2480		ug/Kg		99	74 - 127
1,2-Dichloropropane	2500	2600		ug/Kg		104	80 - 120
1,3-Dichlorobenzene	2500	2610		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2520		ug/Kg		101	80 - 120
Methyl ethyl ketone (MEK)	12500	11000		ug/Kg		88	54 - 149
2-Hexanone	12500	10900		ug/Kg		88	59 - 127
Methyl isobutyl ketone (MIBK)	12500	11000		ug/Kg		88	74 - 120
Acetone	12500	11000		ug/Kg		88	47 - 141
Benzene	2500	2710		ug/Kg		108	77 - 125
Bromodichloromethane	2500	2530		ug/Kg		101	71 - 121
Bromoform	2500	2560		ug/Kg		103	48 - 125
Bromomethane	2500	2240		ug/Kg		90	39 - 149
Carbon disulfide	2500	2640		ug/Kg		106	40 - 136
Carbon tetrachloride	2500	2810		ug/Kg		113	54 - 135
Chlorobenzene	2500	2690		ug/Kg		107	76 - 126
Chloroethane	2500	1640		ug/Kg		66	23 - 150
Chloroform	2500	2550		ug/Kg		102	78 - 120
Chloromethane	2500	2580		ug/Kg		103	61 - 124
cis-1,2-Dichloroethene	2500	2710		ug/Kg		109	79 - 124
cis-1,3-Dichloropropene	2500	2670		ug/Kg		107	75 - 121
Cyclohexane	2500	3010		ug/Kg		120	49 - 129
Dibromochloromethane	2500	2580		ug/Kg		103	64 - 120
Dichlorodifluoromethane	2500	2660		ug/Kg		106	10 - 150
Ethylbenzene	2500	2710		ug/Kg		109	78 - 124
Isopropylbenzene	2500	2660		ug/Kg		107	76 - 120
Methyl acetate	5000	4660		ug/Kg		93	71 - 123
Methyl tert-butyl ether	2500	2470		ug/Kg		99	67 - 137
Methylcyclohexane	2500	3060		ug/Kg		122	50 - 130

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

Lab Sample ID: LCS 480-550476/1-A
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2800		ug/Kg		112	75 - 118
Styrene	2500	2710		ug/Kg		108	80 - 120
Tetrachloroethene	2500	2870		ug/Kg		115	73 - 133
Toluene	2500	2690		ug/Kg		108	75 - 124
trans-1,2-Dichloroethene	2500	2730		ug/Kg		109	74 - 129
trans-1,3-Dichloropropene	2500	2530		ug/Kg		101	73 - 120
Trichloroethene	2500	2710		ug/Kg		108	75 - 131
Trichlorofluoromethane	2500	2710		ug/Kg		108	29 - 158
Vinyl chloride	2500	2820		ug/Kg		113	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*103*		*50 - 149*

Lab Sample ID: 480-175391-2 MS
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: D-09 (16.5)
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2660	3050		ug/Kg	☼	115	64 - 142
1,1,2,2-Tetrachloroethane	ND		2660	2480		ug/Kg	☼	93	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2660	3450		ug/Kg	☼	130	64 - 154
1,1,2-Trichloroethane	ND		2660	2670		ug/Kg	☼	100	63 - 133
1,1-Dichloroethane	ND		2660	3030		ug/Kg	☼	114	64 - 135
1,1-Dichloroethene	ND		2660	3220		ug/Kg	☼	121	62 - 145
1,2,4-Trichlorobenzene	ND		2660	2900		ug/Kg	☼	109	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2660	1830		ug/Kg	☼	69	40 - 122
1,2-Dibromoethane	ND		2660	2590		ug/Kg	☼	98	65 - 133
1,2-Dichlorobenzene	ND		2660	2920		ug/Kg	☼	110	68 - 133
1,2-Dichloroethane	650		2660	3220		ug/Kg	☼	97	62 - 135
1,2-Dichloropropane	ND		2660	2910		ug/Kg	☼	110	67 - 139
1,3-Dichlorobenzene	ND		2660	2850		ug/Kg	☼	107	68 - 136
1,4-Dichlorobenzene	ND		2660	2770		ug/Kg	☼	104	69 - 136
Methyl ethyl ketone (MEK)	ND		13300	12000		ug/Kg	☼	90	46 - 132
2-Hexanone	ND		13300	11900		ug/Kg	☼	90	44 - 130
Methyl isobutyl ketone (MIBK)	ND		13300	12000		ug/Kg	☼	90	49 - 125
Acetone	ND		13300	11700		ug/Kg	☼	88	32 - 136
Benzene	ND		2660	3130		ug/Kg	☼	118	68 - 137
Bromodichloromethane	ND		2660	2590		ug/Kg	☼	97	62 - 136
Bromoform	ND		2660	2190		ug/Kg	☼	82	43 - 134
Bromomethane	ND		2660	3140		ug/Kg	☼	118	38 - 137
Carbon disulfide	ND		2660	2960		ug/Kg	☼	111	52 - 139
Carbon tetrachloride	ND		2660	2950		ug/Kg	☼	111	60 - 150
Chlorobenzene	ND		2660	2950		ug/Kg	☼	111	67 - 136
Chloroethane	ND		2660	2880		ug/Kg	☼	108	34 - 140
Chloroform	ND		2660	2870		ug/Kg	☼	108	64 - 133

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

Lab Sample ID: 480-175391-2 MS
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: D-09 (16.5)
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2660	3280		ug/Kg	☼	123	47 - 143
cis-1,2-Dichloroethene	3800	F1	2660	5670		ug/Kg	☼	70	65 - 137
cis-1,3-Dichloropropene	ND		2660	2760		ug/Kg	☼	104	61 - 148
Cyclohexane	ND		2660	3550		ug/Kg	☼	134	63 - 149
Dibromochloromethane	ND		2660	2270		ug/Kg	☼	85	57 - 137
Dichlorodifluoromethane	ND		2660	3400		ug/Kg	☼	128	26 - 150
Ethylbenzene	ND		2660	2940		ug/Kg	☼	111	67 - 136
Isopropylbenzene	ND		2660	2900		ug/Kg	☼	109	65 - 147
Methyl acetate	ND		5320	5320		ug/Kg	☼	100	50 - 124
Methyl tert-butyl ether	ND		2660	2870		ug/Kg	☼	108	60 - 130
Methylcyclohexane	ND		2660	3600		ug/Kg	☼	135	67 - 150
Methylene Chloride	ND		2660	3120		ug/Kg	☼	117	63 - 138
Styrene	ND		2660	2910		ug/Kg	☼	109	68 - 137
Tetrachloroethene	ND		2660	3060		ug/Kg	☼	115	67 - 150
Toluene	ND		2660	2920		ug/Kg	☼	110	68 - 137
trans-1,2-Dichloroethene	ND		2660	3210		ug/Kg	☼	121	65 - 138
trans-1,3-Dichloropropene	ND		2660	2570		ug/Kg	☼	97	58 - 143
Trichloroethene	12000		2660	13100	4	ug/Kg	☼	36	69 - 143
Trichlorofluoromethane	ND		2660	3570		ug/Kg	☼	134	35 - 150
Vinyl chloride	ND		2660	3650		ug/Kg	☼	137	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-175391-2 MSD
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: D-09 (16.5)
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2670	2700		ug/Kg	☼	101	64 - 142	12	20
1,1,2,2-Tetrachloroethane	ND		2670	2180		ug/Kg	☼	82	56 - 128	13	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2670	3010		ug/Kg	☼	112	64 - 154	14	20
1,1,2-Trichloroethane	ND		2670	2260		ug/Kg	☼	85	63 - 133	16	20
1,1-Dichloroethane	ND		2670	2590		ug/Kg	☼	97	64 - 135	16	20
1,1-Dichloroethene	ND		2670	2790		ug/Kg	☼	104	62 - 145	14	20
1,2,4-Trichlorobenzene	ND		2670	2470		ug/Kg	☼	92	56 - 145	16	20
1,2-Dibromo-3-Chloropropane	ND		2670	1740		ug/Kg	☼	65	40 - 122	5	20
1,2-Dibromoethane	ND		2670	2270		ug/Kg	☼	85	65 - 133	13	20
1,2-Dichlorobenzene	ND		2670	2540		ug/Kg	☼	95	68 - 133	14	20
1,2-Dichloroethane	650		2670	2880		ug/Kg	☼	83	62 - 135	11	20
1,2-Dichloropropane	ND		2670	2630		ug/Kg	☼	99	67 - 139	10	20
1,3-Dichlorobenzene	ND		2670	2480		ug/Kg	☼	93	68 - 136	14	20
1,4-Dichlorobenzene	ND		2670	2430		ug/Kg	☼	91	69 - 136	13	20
Methyl ethyl ketone (MEK)	ND		13400	10800		ug/Kg	☼	81	46 - 132	10	20
2-Hexanone	ND		13400	10500		ug/Kg	☼	79	44 - 130	12	20

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

Lab Sample ID: 480-175391-2 MSD
Matrix: Solid
Analysis Batch: 550724

Client Sample ID: D-09 (16.5)
Prep Type: Total/NA
Prep Batch: 550476

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl isobutyl ketone (MIBK)	ND		13400	10500		ug/Kg	☼	78	49 - 125	14	20
Acetone	ND		13400	10900		ug/Kg	☼	82	32 - 136	7	20
Benzene	ND		2670	2690		ug/Kg	☼	101	68 - 137	15	20
Bromodichloromethane	ND		2670	2360		ug/Kg	☼	88	62 - 136	9	20
Bromoform	ND		2670	1930		ug/Kg	☼	72	43 - 134	13	20
Bromomethane	ND		2670	2790		ug/Kg	☼	104	38 - 137	12	20
Carbon disulfide	ND		2670	2640		ug/Kg	☼	99	52 - 139	12	20
Carbon tetrachloride	ND		2670	2660		ug/Kg	☼	99	60 - 150	11	20
Chlorobenzene	ND		2670	2510		ug/Kg	☼	94	67 - 136	16	20
Chloroethane	ND		2670	2630		ug/Kg	☼	99	34 - 140	9	20
Chloroform	ND		2670	2610		ug/Kg	☼	98	64 - 133	9	20
Chloromethane	ND		2670	2900		ug/Kg	☼	108	47 - 143	12	20
cis-1,2-Dichloroethene	3800	F1	2670	5180	F1	ug/Kg	☼	51	65 - 137	9	20
cis-1,3-Dichloropropene	ND		2670	2490		ug/Kg	☼	93	61 - 148	10	20
Cyclohexane	ND		2670	3040		ug/Kg	☼	114	63 - 149	15	20
Dibromochloromethane	ND		2670	2020		ug/Kg	☼	76	57 - 137	12	20
Dichlorodifluoromethane	ND		2670	2940		ug/Kg	☼	110	26 - 150	15	20
Ethylbenzene	ND		2670	2580		ug/Kg	☼	96	67 - 136	13	20
Isopropylbenzene	ND		2670	2600		ug/Kg	☼	97	65 - 147	11	20
Methyl acetate	ND		5350	4620		ug/Kg	☼	86	50 - 124	14	20
Methyl tert-butyl ether	ND		2670	2590		ug/Kg	☼	97	60 - 130	10	20
Methylcyclohexane	ND		2670	3040		ug/Kg	☼	114	67 - 150	17	20
Methylene Chloride	ND		2670	2710		ug/Kg	☼	101	63 - 138	14	20
Styrene	ND		2670	2430		ug/Kg	☼	91	68 - 137	18	20
Tetrachloroethene	ND		2670	2660		ug/Kg	☼	100	67 - 150	14	20
Toluene	ND		2670	2620		ug/Kg	☼	98	68 - 137	11	20
trans-1,2-Dichloroethene	ND		2670	2820		ug/Kg	☼	105	65 - 138	13	20
trans-1,3-Dichloropropene	ND		2670	2240		ug/Kg	☼	84	58 - 143	14	20
Trichloroethene	12000		2670	12400	4	ug/Kg	☼	9	69 - 143	6	20
Trichlorofluoromethane	ND		2670	3220		ug/Kg	☼	121	35 - 150	10	20
Vinyl chloride	ND		2670	3130		ug/Kg	☼	117	56 - 150	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*102*		*50 - 149*

GC/MS VOA

Prep Batch: 549597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-1	S-01(1)	Total/NA	Solid	5035A_L	
480-175093-2	S-01(3.5)	Total/NA	Solid	5035A_L	
480-175093-5	S-03(0.5)	Total/NA	Solid	5035A_L	
480-175093-11	S-06(1.3)	Total/NA	Solid	5035A_L	
480-175093-12	S-07(0.5)	Total/NA	Solid	5035A_L	
480-175093-13	S-07(1.5)	Total/NA	Solid	5035A_L	
480-175093-14	S-08(0.5)	Total/NA	Solid	5035A_L	
480-175093-15	S-08(1.3)	Total/NA	Solid	5035A_L	
MB 480-549597/23-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-549597/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 549614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-1	S-01(1)	Total/NA	Solid	8260C	549597
480-175093-2	S-01(3.5)	Total/NA	Solid	8260C	549597
480-175093-5	S-03(0.5)	Total/NA	Solid	8260C	549597
480-175093-11	S-06(1.3)	Total/NA	Solid	8260C	549597
480-175093-12	S-07(0.5)	Total/NA	Solid	8260C	549597
480-175093-13	S-07(1.5)	Total/NA	Solid	8260C	549597
480-175093-14	S-08(0.5)	Total/NA	Solid	8260C	549597
480-175093-15	S-08(1.3)	Total/NA	Solid	8260C	549597
MB 480-549597/23-A	Method Blank	Total/NA	Solid	8260C	549597
LCS 480-549597/1-A	Lab Control Sample	Total/NA	Solid	8260C	549597

Analysis Batch: 549700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-7	S-04(0.4)	Total/NA	Solid	8260C	549770
480-175093-8	S-04(0.7)	Total/NA	Solid	8260C	549770
480-175093-10	S-06(0.5)	Total/NA	Solid	8260C	549770
MB 480-549770/2-A	Method Blank	Total/NA	Solid	8260C	549770
LCS 480-549770/1-A	Lab Control Sample	Total/NA	Solid	8260C	549770
480-175093-10 MS	S-06(0.5)	Total/NA	Solid	8260C	549770
480-175093-10 MSD	S-06(0.5)	Total/NA	Solid	8260C	549770

Prep Batch: 549770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-7	S-04(0.4)	Total/NA	Solid	5035A_L	
480-175093-8	S-04(0.7)	Total/NA	Solid	5035A_L	
480-175093-10	S-06(0.5)	Total/NA	Solid	5035A_L	
MB 480-549770/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-549770/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-175093-10 MS	S-06(0.5)	Total/NA	Solid	5035A_L	
480-175093-10 MSD	S-06(0.5)	Total/NA	Solid	5035A_L	

Prep Batch: 549981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-17	S-09(1.3)	Total/NA	Solid	5035A_H	
480-175093-18	S-10(1)	Total/NA	Solid	5035A_H	
480-175093-20	DUP-01_20200914	Total/NA	Solid	5035A_H	
480-175093-21	S-11(0.5)	Total/NA	Solid	5035A_H	
480-175093-22	S-11(1.3)	Total/NA	Solid	5035A_H	

GC/MS VOA (Continued)

Prep Batch: 549981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-23	S-12(0.8)	Total/NA	Solid	5035A_H	
480-175093-24	S-12(1.6)	Total/NA	Solid	5035A_H	
480-175093-25	S-13(0.3)	Total/NA	Solid	5035A_H	
480-175093-26	S-13(0.9)	Total/NA	Solid	5035A_H	
480-175093-27	S-05(0.6)	Total/NA	Solid	5035A_H	
480-175162-2	D-01 (29.3)	Total/NA	Solid	5035A_H	
480-175162-3	D-01 (32.5)	Total/NA	Solid	5035A_H	
480-175162-4	D-02 (25)	Total/NA	Solid	5035A_H	
480-175162-5	D-02 (32)	Total/NA	Solid	5035A_H	
480-175162-6	D-02 (33)	Total/NA	Solid	5035A_H	
480-175162-7	DUP-02_20200915	Total/NA	Solid	5035A_H	
MB 480-549981/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-549981/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175162-3 MS	D-01 (32.5)	Total/NA	Solid	5035A_H	
480-175162-3 MSD	D-01 (32.5)	Total/NA	Solid	5035A_H	

Prep Batch: 550000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-3 - DL	S-02(0.5)	Total/NA	Solid	5035A_H	
480-175093-3	S-02(0.5)	Total/NA	Solid	5035A_H	
480-175093-4	S-02(1)	Total/NA	Solid	5035A_H	
480-175093-5 - DL	S-03(0.5)	Total/NA	Solid	5035A_H	
480-175093-6	S-03(1)	Total/NA	Solid	5035A_H	
480-175093-9	S-05(1.3)	Total/NA	Solid	5035A_H	
480-175093-13 - DL	S-07(1.5)	Total/NA	Solid	5035A_H	
480-175093-14 - DL	S-08(0.5)	Total/NA	Solid	5035A_H	
480-175093-15 - DL	S-08(1.3)	Total/NA	Solid	5035A_H	
480-175093-16	S-09(0.5)	Total/NA	Solid	5035A_H	
MB 480-550000/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-550000/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175093-9 MS	S-05(1.3)	Total/NA	Solid	5035A_H	
480-175093-9 MSD	S-05(1.3)	Total/NA	Solid	5035A_H	

Prep Batch: 550212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175245-1	D-03 (31.5)	Total/NA	Solid	5035A_H	
480-175245-2	D-03 (35)	Total/NA	Solid	5035A_H	
480-175245-3	D-04 (29.1)	Total/NA	Solid	5035A_H	
480-175245-4	D-04 (29.8)	Total/NA	Solid	5035A_H	
480-175245-5	D-04 (28.3)	Total/NA	Solid	5035A_H	
480-175245-6	D-04 (28.8)	Total/NA	Solid	5035A_H	
480-175245-7	D-01 (26)	Total/NA	Solid	5035A_H	
480-175335-1	D-05 (29.5)	Total/NA	Solid	5035A_H	
480-175335-2	D-05 (30.3)	Total/NA	Solid	5035A_H	
480-175335-3	D-05 (32.8)	Total/NA	Solid	5035A_H	
480-175335-4	D-06 (26.7)	Total/NA	Solid	5035A_H	
480-175335-5	D-06 (34.5)	Total/NA	Solid	5035A_H	
480-175335-6	D-06 (37.6)	Total/NA	Solid	5035A_H	
480-175335-7	D-07 (18.5)	Total/NA	Solid	5035A_H	
MB 480-550212/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-550212/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS VOA

Analysis Batch: 550311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-17	S-09(1.3)	Total/NA	Solid	8260C	549981
480-175093-18	S-10(1)	Total/NA	Solid	8260C	549981
480-175093-20	DUP-01_20200914	Total/NA	Solid	8260C	549981
480-175093-21	S-11(0.5)	Total/NA	Solid	8260C	549981
480-175093-22	S-11(1.3)	Total/NA	Solid	8260C	549981
480-175093-23	S-12(0.8)	Total/NA	Solid	8260C	549981
480-175093-24	S-12(1.6)	Total/NA	Solid	8260C	549981
480-175093-25	S-13(0.3)	Total/NA	Solid	8260C	549981
480-175093-26	S-13(0.9)	Total/NA	Solid	8260C	549981
480-175093-27	S-05(0.6)	Total/NA	Solid	8260C	549981
480-175162-2	D-01 (29.3)	Total/NA	Solid	8260C	549981
480-175162-3	D-01 (32.5)	Total/NA	Solid	8260C	549981
480-175162-4	D-02 (25)	Total/NA	Solid	8260C	549981
480-175162-5	D-02 (32)	Total/NA	Solid	8260C	549981
480-175162-6	D-02 (33)	Total/NA	Solid	8260C	549981
480-175162-7	DUP-02_20200915	Total/NA	Solid	8260C	549981
MB 480-549981/2-A	Method Blank	Total/NA	Solid	8260C	549981
LCS 480-549981/1-A	Lab Control Sample	Total/NA	Solid	8260C	549981
480-175162-3 MS	D-01 (32.5)	Total/NA	Solid	8260C	549981
480-175162-3 MSD	D-01 (32.5)	Total/NA	Solid	8260C	549981

Analysis Batch: 550340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-3	S-02(0.5)	Total/NA	Solid	8260C	550000
480-175093-4	S-02(1)	Total/NA	Solid	8260C	550000
480-175093-5 - DL	S-03(0.5)	Total/NA	Solid	8260C	550000
480-175093-6	S-03(1)	Total/NA	Solid	8260C	550000
480-175093-9	S-05(1.3)	Total/NA	Solid	8260C	550000
480-175093-13 - DL	S-07(1.5)	Total/NA	Solid	8260C	550000
480-175093-14 - DL	S-08(0.5)	Total/NA	Solid	8260C	550000
480-175093-15 - DL	S-08(1.3)	Total/NA	Solid	8260C	550000
480-175093-16	S-09(0.5)	Total/NA	Solid	8260C	550000
MB 480-550000/2-A	Method Blank	Total/NA	Solid	8260C	550000
LCS 480-550000/1-A	Lab Control Sample	Total/NA	Solid	8260C	550000
480-175093-9 MS	S-05(1.3)	Total/NA	Solid	8260C	550000
480-175093-9 MSD	S-05(1.3)	Total/NA	Solid	8260C	550000

Analysis Batch: 550359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-19	S-10(4)	Total/NA	Solid	8260C	550401
MB 480-550401/2-A	Method Blank	Total/NA	Solid	8260C	550401
LCS 480-550401/1-A	Lab Control Sample	Total/NA	Solid	8260C	550401

Prep Batch: 550401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-19	S-10(4)	Total/NA	Solid	5035A_L	
MB 480-550401/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-550401/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS VOA

Prep Batch: 550476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175391-1	D-08 (22)	Total/NA	Solid	5035A_H	
480-175391-2	D-09 (16.5)	Total/NA	Solid	5035A_H	
480-175391-3	D-10 (29.5)	Total/NA	Solid	5035A_H	
480-175391-4	DUP-03_20200918	Total/NA	Solid	5035A_H	
MB 480-550476/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-550476/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175391-2 MS	D-09 (16.5)	Total/NA	Solid	5035A_H	
480-175391-2 MSD	D-09 (16.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 550512

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-3 - DL	S-02(0.5)	Total/NA	Solid	8260C	550000
480-175245-1	D-03 (31.5)	Total/NA	Solid	8260C	550212
480-175245-2	D-03 (35)	Total/NA	Solid	8260C	550212
480-175245-3	D-04 (29.1)	Total/NA	Solid	8260C	550212
480-175245-4	D-04 (29.8)	Total/NA	Solid	8260C	550212
480-175245-5	D-04 (28.3)	Total/NA	Solid	8260C	550212
480-175245-6	D-04 (28.8)	Total/NA	Solid	8260C	550212
480-175245-7	D-01 (26)	Total/NA	Solid	8260C	550212
480-175335-1	D-05 (29.5)	Total/NA	Solid	8260C	550212
480-175335-2	D-05 (30.3)	Total/NA	Solid	8260C	550212
480-175335-3	D-05 (32.8)	Total/NA	Solid	8260C	550212
480-175335-4	D-06 (26.7)	Total/NA	Solid	8260C	550212
480-175335-5	D-06 (34.5)	Total/NA	Solid	8260C	550212
480-175335-6	D-06 (37.6)	Total/NA	Solid	8260C	550212
MB 480-550212/2-A	Method Blank	Total/NA	Solid	8260C	550212
LCS 480-550212/1-A	Lab Control Sample	Total/NA	Solid	8260C	550212

Analysis Batch: 550724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175335-7	D-07 (18.5)	Total/NA	Solid	8260C	550212
480-175391-1	D-08 (22)	Total/NA	Solid	8260C	550476
480-175391-2	D-09 (16.5)	Total/NA	Solid	8260C	550476
480-175391-3	D-10 (29.5)	Total/NA	Solid	8260C	550476
480-175391-4	DUP-03_20200918	Total/NA	Solid	8260C	550476
MB 480-550476/2-A	Method Blank	Total/NA	Solid	8260C	550476
LCS 480-550476/1-A	Lab Control Sample	Total/NA	Solid	8260C	550476
480-175391-2 MS	D-09 (16.5)	Total/NA	Solid	8260C	550476
480-175391-2 MSD	D-09 (16.5)	Total/NA	Solid	8260C	550476

General Chemistry

Analysis Batch: 549607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-1	S-01(1)	Total/NA	Solid	Moisture	
480-175093-2	S-01(3.5)	Total/NA	Solid	Moisture	
480-175093-3	S-02(0.5)	Total/NA	Solid	Moisture	
480-175093-4	S-02(1)	Total/NA	Solid	Moisture	
480-175093-5	S-03(0.5)	Total/NA	Solid	Moisture	
480-175093-6	S-03(1)	Total/NA	Solid	Moisture	
480-175093-7	S-04(0.4)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 549607 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175093-8	S-04(0.7)	Total/NA	Solid	Moisture	
480-175093-9	S-05(1.3)	Total/NA	Solid	Moisture	
480-175093-10	S-06(0.5)	Total/NA	Solid	Moisture	
480-175093-11	S-06(1.3)	Total/NA	Solid	Moisture	
480-175093-12	S-07(0.5)	Total/NA	Solid	Moisture	
480-175093-13	S-07(1.5)	Total/NA	Solid	Moisture	
480-175093-14	S-08(0.5)	Total/NA	Solid	Moisture	
480-175093-15	S-08(1.3)	Total/NA	Solid	Moisture	
480-175093-16	S-09(0.5)	Total/NA	Solid	Moisture	
480-175093-17	S-09(1.3)	Total/NA	Solid	Moisture	
480-175093-18	S-10(1)	Total/NA	Solid	Moisture	
480-175093-19	S-10(4)	Total/NA	Solid	Moisture	
480-175093-20	DUP-01_20200914	Total/NA	Solid	Moisture	
480-175093-21	S-11(0.5)	Total/NA	Solid	Moisture	
480-175093-22	S-11(1.3)	Total/NA	Solid	Moisture	
480-175093-23	S-12(0.8)	Total/NA	Solid	Moisture	
480-175093-24	S-12(1.6)	Total/NA	Solid	Moisture	
480-175093-25	S-13(0.3)	Total/NA	Solid	Moisture	
480-175093-26	S-13(0.9)	Total/NA	Solid	Moisture	
480-175093-27	S-05(0.6)	Total/NA	Solid	Moisture	
480-175093-9 MS	S-05(1.3)	Total/NA	Solid	Moisture	
480-175093-9 MSD	S-05(1.3)	Total/NA	Solid	Moisture	

Analysis Batch: 550223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175245-1	D-03 (31.5)	Total/NA	Solid	Moisture	
480-175245-2	D-03 (35)	Total/NA	Solid	Moisture	
480-175245-3	D-04 (29.1)	Total/NA	Solid	Moisture	
480-175245-4	D-04 (29.8)	Total/NA	Solid	Moisture	
480-175245-5	D-04 (28.3)	Total/NA	Solid	Moisture	
480-175245-6	D-04 (28.8)	Total/NA	Solid	Moisture	
480-175245-7	D-01 (26)	Total/NA	Solid	Moisture	
480-175335-1	D-05 (29.5)	Total/NA	Solid	Moisture	
480-175335-2	D-05 (30.3)	Total/NA	Solid	Moisture	
480-175335-3	D-05 (32.8)	Total/NA	Solid	Moisture	
480-175335-4	D-06 (26.7)	Total/NA	Solid	Moisture	
480-175335-5	D-06 (34.5)	Total/NA	Solid	Moisture	
480-175335-6	D-06 (37.6)	Total/NA	Solid	Moisture	
480-175335-7	D-07 (18.5)	Total/NA	Solid	Moisture	

Analysis Batch: 551266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175162-2	D-01 (29.3)	Total/NA	Solid	Moisture	
480-175162-3	D-01 (32.5)	Total/NA	Solid	Moisture	
480-175162-4	D-02 (25)	Total/NA	Solid	Moisture	
480-175162-5	D-02 (32)	Total/NA	Solid	Moisture	
480-175162-6	D-02 (33)	Total/NA	Solid	Moisture	
480-175162-7	DUP-02_20200915	Total/NA	Solid	Moisture	
480-175162-3 MS	D-01 (32.5)	Total/NA	Solid	Moisture	
480-175162-3 MSD	D-01 (32.5)	Total/NA	Solid	Moisture	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

General Chemistry

Analysis Batch: 551499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175391-1	D-08 (22)	Total/NA	Solid	Moisture	
480-175391-2	D-09 (16.5)	Total/NA	Solid	Moisture	
480-175391-3	D-10 (29.5)	Total/NA	Solid	Moisture	
480-175391-4	DUP-03_20200918	Total/NA	Solid	Moisture	
480-175391-2 MS	D-09 (16.5)	Total/NA	Solid	Moisture	
480-175391-2 MSD	D-09 (16.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-01(1)
Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-01(1)
Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-1
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/15/20 22:50	WJD	TAL BUF

Client Sample ID: S-01(3.5)
Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-01(3.5)
Date Collected: 09/14/20 11:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-2
Matrix: Solid
Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/15/20 23:15	WJD	TAL BUF

Client Sample ID: S-02(0.5)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-02(0.5)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-3
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550340	09/21/20 12:32	AMM	TAL BUF
Total/NA	Prep	5035A_H	DL		550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	5	550512	09/22/20 16:57	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-02(1)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-02(1)
Date Collected: 09/14/20 11:45
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-4
Matrix: Solid
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C		25	550340	09/21/20 12:55	AMM	TAL BUF

Client Sample ID: S-03(0.5)
Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-03(0.5)
Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-5
Matrix: Solid
Percent Solids: 93.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 00:32	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	4	550340	09/21/20 13:18	AMM	TAL BUF

Client Sample ID: S-03(1)
Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-03(1)
Date Collected: 09/14/20 12:10
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-6
Matrix: Solid
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C		50	550340	09/21/20 13:41	AMM	TAL BUF

Client Sample ID: S-04(0.4)
Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-04(0.4)
Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-7
Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549770	09/16/20 11:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549700	09/16/20 18:00	CDC	TAL BUF

Client Sample ID: S-04(0.7)
Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-04(0.7)
Date Collected: 09/14/20 13:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-8
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549770	09/16/20 11:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549700	09/16/20 18:25	CDC	TAL BUF

Client Sample ID: S-05(1.3)
Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-05(1.3)
Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-9
Matrix: Solid
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C		25	550340	09/21/20 14:05	AMM	TAL BUF

Client Sample ID: S-06(0.5)
Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-06(0.5)
Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-10
Matrix: Solid
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549770	09/16/20 11:20	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549700	09/16/20 18:51	CDC	TAL BUF

Client Sample ID: S-06(1.3)
Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-06(1.3)
Date Collected: 09/14/20 13:40
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-11
Matrix: Solid
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 03:06	WJD	TAL BUF

Client Sample ID: S-07(0.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-07(0.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-12
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 03:32	WJD	TAL BUF

Client Sample ID: S-07(1.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-07(1.5)
Date Collected: 09/14/20 13:55
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-13
Matrix: Solid
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 03:57	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	25	550340	09/21/20 14:28	AMM	TAL BUF

Client Sample ID: S-08(0.5)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-08(0.5)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-14
Matrix: Solid
Percent Solids: 93.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 04:23	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	1	550340	09/21/20 14:51	AMM	TAL BUF

Client Sample ID: S-08(1.3)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-08(1.3)
Date Collected: 09/14/20 14:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-15
Matrix: Solid
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			549597	09/15/20 15:55	WJD	TAL BUF
Total/NA	Analysis	8260C		1	549614	09/16/20 04:48	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	20	550340	09/21/20 15:14	AMM	TAL BUF

Client Sample ID: S-09(0.5)
Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-09(0.5)
Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-16
Matrix: Solid
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550000	09/17/20 14:31	WJD	TAL BUF
Total/NA	Analysis	8260C		2	550340	09/21/20 15:37	AMM	TAL BUF

Client Sample ID: S-09(1.3)
Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-09(1.3)
Date Collected: 09/14/20 15:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-17
Matrix: Solid
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		80	550311	09/20/20 12:10	AMM	TAL BUF

Client Sample ID: S-10(1)
Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-10(1)
Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-18
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		40	550311	09/20/20 12:33	AMM	TAL BUF

Client Sample ID: S-10(4)
Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-10(4)
Date Collected: 09/14/20 15:30
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-19
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			550401	09/21/20 09:53	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550359	09/21/20 11:52	CDC	TAL BUF

Client Sample ID: DUP-01_20200914
Date Collected: 09/14/20 00:00
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: DUP-01_20200914
Date Collected: 09/14/20 00:00
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-20
Matrix: Solid
Percent Solids: 94.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		1	550311	09/20/20 13:19	AMM	TAL BUF

Client Sample ID: S-11(0.5)
Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-11(0.5)
Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-21
Matrix: Solid
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		2	550311	09/20/20 13:43	AMM	TAL BUF

Client Sample ID: S-11(1.3)
Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-11(1.3)
Date Collected: 09/14/20 15:50
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-22
Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		20	550311	09/20/20 14:06	AMM	TAL BUF

Client Sample ID: S-12(0.8)
Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-12(0.8)
Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-23
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		4	550311	09/20/20 14:29	AMM	TAL BUF

Client Sample ID: S-12(1.6)
Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-12(1.6)
Date Collected: 09/14/20 16:05
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-24
Matrix: Solid
Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		50	550311	09/20/20 14:52	AMM	TAL BUF

Client Sample ID: S-13(0.3)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: S-13(0.3)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-25
Matrix: Solid
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		4	550311	09/20/20 15:15	AMM	TAL BUF

Client Sample ID: S-13(0.9)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-13(0.9)
Date Collected: 09/14/20 16:20
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-26
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		8	550311	09/20/20 15:38	AMM	TAL BUF

Client Sample ID: S-05(0.6)
Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	549607	09/15/20 16:48	DSC	TAL BUF

Client Sample ID: S-05(0.6)
Date Collected: 09/14/20 14:35
Date Received: 09/15/20 10:00

Lab Sample ID: 480-175093-27
Matrix: Solid
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		1	550311	09/20/20 16:01	AMM	TAL BUF

Client Sample ID: D-01 (29.3)
Date Collected: 09/15/20 11:10
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-01 (29.3)
Date Collected: 09/15/20 11:10
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-2
Matrix: Solid
Percent Solids: 91.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		10	550311	09/20/20 16:24	AMM	TAL BUF

Client Sample ID: D-01 (32.5)
Date Collected: 09/15/20 11:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Client Sample ID: D-01 (32.5)
Date Collected: 09/15/20 11:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-3
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		10	550311	09/20/20 16:47	AMM	TAL BUF

Client Sample ID: D-02 (25)
Date Collected: 09/15/20 13:55
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Client Sample ID: D-02 (25)
Date Collected: 09/15/20 13:55
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-4
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		10	550311	09/20/20 17:10	AMM	TAL BUF

Client Sample ID: D-02 (32)
Date Collected: 09/15/20 14:20
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-02 (32)
Date Collected: 09/15/20 14:20
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-5
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		50	550311	09/20/20 17:33	AMM	TAL BUF

Client Sample ID: D-02 (33)
Date Collected: 09/15/20 14:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Client Sample ID: D-02 (33)
Date Collected: 09/15/20 14:25
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-6
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		20	550311	09/20/20 17:56	AMM	TAL BUF

Client Sample ID: DUP-02_20200915
Date Collected: 09/15/20 00:00
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551266	09/25/20 12:01	GSR	TAL BUF

Client Sample ID: DUP-02_20200915
Date Collected: 09/15/20 00:00
Date Received: 09/16/20 10:30

Lab Sample ID: 480-175162-7
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			549981	09/17/20 12:53	AMM	TAL BUF
Total/NA	Analysis	8260C		10	550311	09/20/20 18:19	AMM	TAL BUF

Client Sample ID: D-03 (31.5)
Date Collected: 09/16/20 10:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-03 (31.5)
Date Collected: 09/16/20 10:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-1
Matrix: Solid
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		25	550512	09/22/20 11:12	AMM	TAL BUF

Client Sample ID: D-03 (35)
Date Collected: 09/16/20 10:35
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-03 (35)
Date Collected: 09/16/20 10:35
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-2
Matrix: Solid
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		4	550512	09/22/20 11:35	AMM	TAL BUF

Client Sample ID: D-04 (29.1)
Date Collected: 09/16/20 13:05
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-04 (29.1)
Date Collected: 09/16/20 13:05
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-3
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		1000	550512	09/22/20 11:58	AMM	TAL BUF

Client Sample ID: D-04 (29.8)
Date Collected: 09/16/20 13:25
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-04 (29.8)
Date Collected: 09/16/20 13:25
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-4
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		10	550512	09/22/20 12:21	AMM	TAL BUF

Client Sample ID: D-04 (28.3)
Date Collected: 09/16/20 13:30
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-04 (28.3)
Date Collected: 09/16/20 13:30
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-5
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		20	550512	09/22/20 12:43	AMM	TAL BUF

Client Sample ID: D-04 (28.8)
Date Collected: 09/16/20 13:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-04 (28.8)
Date Collected: 09/16/20 13:20
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-6
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		80	550512	09/22/20 13:06	AMM	TAL BUF

Client Sample ID: D-01 (26)
Date Collected: 09/15/20 11:00
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-01 (26)
Date Collected: 09/15/20 11:00
Date Received: 09/17/20 10:00

Lab Sample ID: 480-175245-7
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		10	550512	09/22/20 13:29	AMM	TAL BUF

Client Sample ID: D-05 (29.5)
Date Collected: 09/17/20 09:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-05 (29.5)
Date Collected: 09/17/20 09:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-1
Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		2	550512	09/22/20 14:15	AMM	TAL BUF

Client Sample ID: D-05 (30.3)
Date Collected: 09/17/20 09:50
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-05 (30.3)
Date Collected: 09/17/20 09:50
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-2
Matrix: Solid
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		4	550512	09/22/20 14:39	AMM	TAL BUF

Client Sample ID: D-05 (32.8)
Date Collected: 09/17/20 10:05
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-05 (32.8)
Date Collected: 09/17/20 10:05
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-3
Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		4	550512	09/22/20 15:02	AMM	TAL BUF

Client Sample ID: D-06 (26.7)
Date Collected: 09/17/20 11:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-06 (26.7)
Date Collected: 09/17/20 11:45
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-4
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550512	09/22/20 15:25	AMM	TAL BUF

Client Sample ID: D-06 (34.5)
Date Collected: 09/17/20 12:10
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-06 (34.5)
Date Collected: 09/17/20 12:10
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-5
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550512	09/22/20 15:47	AMM	TAL BUF

Client Sample ID: D-06 (37.6)
Date Collected: 09/17/20 12:20
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-06 (37.6)
Date Collected: 09/17/20 12:20
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-6
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		4	550512	09/22/20 16:11	AMM	TAL BUF

Client Sample ID: D-07 (18.5)
Date Collected: 09/17/20 14:00
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550223	09/18/20 15:26	GSR	TAL BUF

Client Sample ID: D-07 (18.5)
Date Collected: 09/17/20 14:00
Date Received: 09/18/20 13:44

Lab Sample ID: 480-175335-7
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550212	09/18/20 14:42	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550724	09/23/20 16:17	AMM	TAL BUF

Client Sample ID: D-08 (22)
Date Collected: 09/18/20 09:35
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551499	09/28/20 11:04	WJD	TAL BUF

Client Sample ID: D-08 (22)
Date Collected: 09/18/20 09:35
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-1
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550476	09/21/20 14:40	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550724	09/23/20 13:57	AMM	TAL BUF

Client Sample ID: D-09 (16.5)
Date Collected: 09/18/20 11:40
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551499	09/28/20 11:04	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Client Sample ID: D-09 (16.5)
Date Collected: 09/18/20 11:40
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-2
Matrix: Solid
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550476	09/21/20 14:40	WJD	TAL BUF
Total/NA	Analysis	8260C		2	550724	09/23/20 14:20	AMM	TAL BUF

Client Sample ID: D-10 (29.5)
Date Collected: 09/18/20 14:45
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551499	09/28/20 11:04	WJD	TAL BUF

Client Sample ID: D-10 (29.5)
Date Collected: 09/18/20 14:45
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-3
Matrix: Solid
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550476	09/21/20 14:40	WJD	TAL BUF
Total/NA	Analysis	8260C		4	550724	09/23/20 14:43	AMM	TAL BUF

Client Sample ID: DUP-03_20200918
Date Collected: 09/18/20 00:00
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551499	09/28/20 11:04	WJD	TAL BUF

Client Sample ID: DUP-03_20200918
Date Collected: 09/18/20 00:00
Date Received: 09/21/20 12:00

Lab Sample ID: 480-175391-4
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550476	09/21/20 14:40	WJD	TAL BUF
Total/NA	Analysis	8260C		1	550724	09/23/20 15:06	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175093-1	S-01(1)	Solid	09/14/20 11:20	09/15/20 10:00	
480-175093-2	S-01(3.5)	Solid	09/14/20 11:20	09/15/20 10:00	
480-175093-3	S-02(0.5)	Solid	09/14/20 11:45	09/15/20 10:00	
480-175093-4	S-02(1)	Solid	09/14/20 11:45	09/15/20 10:00	
480-175093-5	S-03(0.5)	Solid	09/14/20 12:10	09/15/20 10:00	
480-175093-6	S-03(1)	Solid	09/14/20 12:10	09/15/20 10:00	
480-175093-7	S-04(0.4)	Solid	09/14/20 13:05	09/15/20 10:00	
480-175093-8	S-04(0.7)	Solid	09/14/20 13:05	09/15/20 10:00	
480-175093-9	S-05(1.3)	Solid	09/14/20 14:35	09/15/20 10:00	
480-175093-10	S-06(0.5)	Solid	09/14/20 13:40	09/15/20 10:00	
480-175093-11	S-06(1.3)	Solid	09/14/20 13:40	09/15/20 10:00	
480-175093-12	S-07(0.5)	Solid	09/14/20 13:55	09/15/20 10:00	
480-175093-13	S-07(1.5)	Solid	09/14/20 13:55	09/15/20 10:00	
480-175093-14	S-08(0.5)	Solid	09/14/20 14:20	09/15/20 10:00	
480-175093-15	S-08(1.3)	Solid	09/14/20 14:20	09/15/20 10:00	
480-175093-16	S-09(0.5)	Solid	09/14/20 15:05	09/15/20 10:00	
480-175093-17	S-09(1.3)	Solid	09/14/20 15:05	09/15/20 10:00	
480-175093-18	S-10(1)	Solid	09/14/20 15:30	09/15/20 10:00	
480-175093-19	S-10(4)	Solid	09/14/20 15:30	09/15/20 10:00	
480-175093-20	DUP-01_20200914	Solid	09/14/20 00:00	09/15/20 10:00	
480-175093-21	S-11(0.5)	Solid	09/14/20 15:50	09/15/20 10:00	
480-175093-22	S-11(1.3)	Solid	09/14/20 15:50	09/15/20 10:00	
480-175093-23	S-12(0.8)	Solid	09/14/20 16:05	09/15/20 10:00	
480-175093-24	S-12(1.6)	Solid	09/14/20 16:05	09/15/20 10:00	
480-175093-25	S-13(0.3)	Solid	09/14/20 16:20	09/15/20 10:00	
480-175093-26	S-13(0.9)	Solid	09/14/20 16:20	09/15/20 10:00	
480-175093-27	S-05(0.6)	Solid	09/14/20 14:35	09/15/20 10:00	
480-175162-2	D-01 (29.3)	Solid	09/15/20 11:10	09/16/20 10:30	
480-175162-3	D-01 (32.5)	Solid	09/15/20 11:25	09/16/20 10:30	
480-175162-4	D-02 (25)	Solid	09/15/20 13:55	09/16/20 10:30	
480-175162-5	D-02 (32)	Solid	09/15/20 14:20	09/16/20 10:30	
480-175162-6	D-02 (33)	Solid	09/15/20 14:25	09/16/20 10:30	
480-175162-7	DUP-02_20200915	Solid	09/15/20 00:00	09/16/20 10:30	
480-175245-1	D-03 (31.5)	Solid	09/16/20 10:20	09/17/20 10:00	
480-175245-2	D-03 (35)	Solid	09/16/20 10:35	09/17/20 10:00	
480-175245-3	D-04 (29.1)	Solid	09/16/20 13:05	09/17/20 10:00	
480-175245-4	D-04 (29.8)	Solid	09/16/20 13:25	09/17/20 10:00	
480-175245-5	D-04 (28.3)	Solid	09/16/20 13:30	09/17/20 10:00	
480-175245-6	D-04 (28.8)	Solid	09/16/20 13:20	09/17/20 10:00	
480-175245-7	D-01 (26)	Solid	09/15/20 11:00	09/17/20 10:00	
480-175335-1	D-05 (29.5)	Solid	09/17/20 09:45	09/18/20 13:44	
480-175335-2	D-05 (30.3)	Solid	09/17/20 09:50	09/18/20 13:44	
480-175335-3	D-05 (32.8)	Solid	09/17/20 10:05	09/18/20 13:44	
480-175335-4	D-06 (26.7)	Solid	09/17/20 11:45	09/18/20 13:44	
480-175335-5	D-06 (34.5)	Solid	09/17/20 12:10	09/18/20 13:44	
480-175335-6	D-06 (37.6)	Solid	09/17/20 12:20	09/18/20 13:44	
480-175335-7	D-07 (18.5)	Solid	09/17/20 14:00	09/18/20 13:44	
480-175391-1	D-08 (22)	Solid	09/18/20 09:35	09/21/20 12:00	
480-175391-2	D-09 (16.5)	Solid	09/18/20 11:40	09/21/20 12:00	
480-175391-3	D-10 (29.5)	Solid	09/18/20 14:45	09/21/20 12:00	
480-175391-4	DUP-03_20200918	Solid	09/18/20 00:00	09/21/20 12:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.22
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): Standard (10)			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-175093 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N		
S-01 (1)	9/14/20	1120	G	Solid			X		1	
S-01 (3.5)	9/14/20	1120	G	Solid			X		1	
S-02 (0.5)	9/14/20	1145	G	Solid			X		1	
S-02 (1)	9/14/20	1145	G	Solid			X		1	
S-03 (0.5)	9/14/20	1210	G	Solid			X		1	
S-03 (1)	9/14/20	1210	G	Solid			X		1	
S-04 (0.4)	9/14/20	1305	G	Solid			X		1	
S-04 (0.7)	9/14/20	1305	G	Solid			X		1	
S-05 (0.6)	9/14/20	1435	G	Solid			X		1	
S-05 (1.3)	9/14/20	1435	G	Solid			X		1	
S-05 (1.3) (MS/MSD)	9/14/20	1435	G	Solid			X		2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/14/20 1900	Arcadis		9/15/20 1000	TAB

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 4.1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: R. Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.23
Client Contact: Mark Flusche	Phone: 585-820-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): (10)			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
S-06 (0.5)	9/14/20	1340	G	Solid			X		1	
S-06 (1.3)	9/14/20	1340	G	Solid			X		1	
S-07 (0.5)	9/14/20	1355	G	Solid			X		1	
S-07 (1.5)	9/14/20	1355	G	Solid			X		1	
S-08 (0.5)	9/14/20	1420	G	Solid			X		1	
S-08 (1.3)	9/14/20	1420	G	Solid			X		1	
S-09 (0.5)	9/14/20	1505	G	Solid			X		1	
S-09 (1.3)	9/14/20	1505	G	Solid			X		1	
S-10 (1)	9/14/20	1530	G	Solid			X		1	
S-10 (4)	9/14/20	1530	G	Solid			X		1	
DUP-01_20200914	9/14/20	—	G	Solid			X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/14/20 1900	Arcadis	Cwillele	9/15/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 4.1

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: R. Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.21
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 3 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): (10)			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
S-11 (0.5)	9/14/20	1550	G	Solid			X		1	
S-11 (1.3)	9/14/20	1550	G	Solid			X		1	
S-12 (0.8)	9/14/20	1605	G	Solid			X		1	
S-12 (1.6)	9/14/20	1605	G	Solid			X		1	
S-13 (0.3)	9/14/20	1620	G	Solid			X			
S-13 (0.9)	9/14/20	1620	G	Solid			X			
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/14/20 1900	Arcadis		9/15/20 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.20
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
M - Hexane
N - None
O - AsNaO2
2O4S
2SO3
2S2O3
3O4
Dodecahydrate
tone
A
4-5
(specify)
Other:

480-175162 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of c	Special Instructions/Note:
			Preservation Code:				N	N		
D-01 (26)	9/15/20	1100	G	Solid			X		1	
D-01 (29.3)	9/15/20	1110	G	Solid			X		1	
D-01 (32.5)	9/15/20	1125	G	Solid			X		1	
D-01 (32.5) (MS/MSD)	9/15/20	1125	G	Solid			X		2	
D-02 (25)	9/15/20	1355	G	Solid			X		1	
D-02 (32)	9/15/20	1420	G	Solid			X		1	
D-02 (33)	9/15/20	1425	G	Solid			X		1	
				Solid						
				Solid						
				Solid						
DUP-02_20200915	9/15/20	—	G	Solid			X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/15/20 1730	Arcadis		9/16/20 1030	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3,6

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: RDC & CMK	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.19
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:
City: Clifton Park	TAT Requested (days): 10 days
State, Zip: NY, 12065	
Phone: 518-250-7322(Tel)	PO #: 30002755.00043
Email: mark.flusche@arcadis-us.com	WO #:
Project Name: GTEOSI - Seneca Falls	Project #: 48005146
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-03 (31.5)	9-16-20	1020	G	Solid			X		1	
D-03 (35)	9-16-20	1035	G	Solid			X		1	
D-04 (29.1)	9-16-20	1305	G	Solid			X		1	
D-04 (29.8)	9-16-20	1325	G	Solid			X		1	
D-04 (28.3)	9-16-20	1330	G	Solid			X		1	
D-04 (28.8)	9-16-20	1320	G	Solid			X		1	
~~D-01 (26)~~	~~9-15-20~~	~~1100~~	G	~~Solid~~			X			
				Solid						
				Solid						
				Solid						
				Solid						

480-175245 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Ryan Clare	Date/Time: 9/16/20 1645	Company: Arcadis	Received by:	Date/Time: 9/17/20 1800	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.4 #1 ICE

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested
City: Clifton Park	TAT Requested (days): 10 days	
State, Zip: NY, 12065		
Phone: 518-250-7322(Tel)	PO #: 30002755.00043	
Email: mark.flusche@arcadis-us.com	WO #:	
Project Name: GTEOSI - Seneca Falls	Project #: 48005146	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-05 (29.5)	9/17/20	0945	G	Solid			X		1	
D-05 (30.3)	9/17/20	0950	G	Solid			X		1	
D-05 (32.8)	9/17/20	1005	G	Solid			X		1	
D-06 (26.7)	9/17/20	1145	G	Solid			X		1	
D-06 (34.5)	9/17/20	1210	G	Solid			X		1	
D-06 (37.6)	9/17/20	1220	G	Solid			X		1	
D-07 (18.5)	9/17/20	1400	G	Solid			X		1	
				Solid						
				Solid						
				Solid						
				Solid						

480-175335 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be asse
☐ Return To Client ☒ Dispc

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/17/20 1730	Arcadis		9/18/20 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 #ICE

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.18
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-08(22)	9/18/20	0935	G	Solid			X		1	
D-09(16.5)	9/18/20	1140	G	Solid			X		1	
D-09(16.5)(MS/MSD)	9/18/20	1140	G	Solid			X		2	
D-10(29.5)	9/18/20	1445	G	Solid			X		1	
DUP-03_20200918	9/18/20	—	G	Solid			X		1	
				Solid						
				Solid						
				Solid						
				Sol						
				Solic						
				Solid						

480-175391 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

(A fee may be assessed if samples are retained longer than 1 month)
Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/18/20 1745	Arcadis		9/19/20 1200	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.4 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175093-1
SDG Number: 480-175093-1

Login Number: 175093
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	arcadis
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175093-1
SDG Number: 480-175093-1

Login Number: 175162
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175093-1
SDG Number: 480-175093-1

Login Number: 175245
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175093-1
SDG Number: 480-175093-1

Login Number: 175335
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.6 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175093-1
SDG Number: 480-175093-1

Login Number: 175391
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.4 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	Arcidas
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175437-1
Laboratory Sample Delivery Group: 480-175437-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
10/8/2020 10:37:36 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-175437-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175437-1

Comments
No additional comments.

Receipt
The samples were received on 9/22/2020 10:30 AM, 9/23/2020 10:30 AM and 9/24/2020 10:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 2.4º C, 2.7º C and 3.0º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-12 (26.5) (480-175437-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-11 (30.5) (480-175437-1), D-11 (33.5) (480-175437-2), D-11 (34.5) (480-175437-3), D-12 (29.5) (480-175437-5), D-12 (32.7) (480-175437-6), D-13 (20.5) (480-175437-7), D-13 (24.5) (480-175437-8), D-13 (32.4) (480-175437-9), (480-175437-A-7-B MS) and (480-175437-A-7-C MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The analyte Methylene Chloride (550876) was detected in the method Blank at a level above the established reporting limit. The associated samples had levels of Methylene Chloride less than ten times that of the Method Blank value. All sample results for Methylene Chloride may potentially be due to laboratory contamination and should be evaluated accordingly. All associated positive sample results were qualified with a "B". The following samples have been impacted: D-11 (30.5) (480-175437-1), D-11 (33.5) (480-175437-2), D-11 (34.5) (480-175437-3), D-12 (26.5) (480-175437-4), D-12 (29.5) (480-175437-5), D-12 (32.7) (480-175437-6), D-13 (20.5) (480-175437-7), D-13 (24.5) (480-175437-8) and D-13 (32.4) (480-175437-9).

Method 8260C: The laboratory control sample (LCS) for 480-550876 recovered outside control limits for the analyte Methylene Chloride due to laboratory contamination. The following samples are impacted: D-11 (30.5) (480-175437-1), D-11 (33.5) (480-175437-2), D-11 (34.5) (480-175437-3), D-12 (26.5) (480-175437-4), D-12 (29.5) (480-175437-5), D-12 (32.7) (480-175437-6), D-13 (20.5) (480-175437-7), D-13 (24.5) (480-175437-8) and D-13 (32.4) (480-175437-9).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-17 (23.5) (480-175569-1), D-18 (14) (480-175569-3) and D-18 (12.1) (480-175569-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-17 (34.5) (480-175569-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-551758 recovered outside acceptance criteria, low biased, for Vinyl chloride, 1,2,4-Trichlorobenzene, Chloromethane and 1,2-Dichloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are: D-17 (23.5) (480-175569-1), D-17 (34.5) (480-175569-2), D-18 (14) (480-175569-3) and D-18 (12.1) (480-175569-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-551758 recovered outside acceptance criteria, low biased, for Vinyl chloride, 1,2,4-Trichlorobenzene, Chloromethane and 1,2-Dichloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are: D-14 (26.8) (480-175493-2), D-14 (33) (480-175493-3), D-14 (34.2) (480-175493-4), D-15 (32.2-32.4) (480-175493-5), D-15 (33.1) (480-175493-6), D-16 (23.5-24) (480-175493-8), D-16 (27.5) (480-175493-9) and DUP-04_20200922 (480-175493-11).

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-14 (1.7-2.2) (480-175493-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target

Job ID: 480-175437-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

analytes within the calibration range: D-14 (26.8) (480-175493-2), D-14 (33) (480-175493-3), D-14 (34.2) (480-175493-4), D-15 (32.2-32.4) (480-175493-5), D-15 (33.1) (480-175493-6), D-16 (23.5-24) (480-175493-8), D-16 (23.5-24) (480-175493-8[MS]), D-16 (23.5-24) (480-175493-8[MSD]), D-16 (27.5) (480-175493-9) and DUP-04_20200922 (480-175493-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-551758 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene, Chloromethane, and 1,2-Dichloropropane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated sample is: D-14 (1.7-2.2) (480-175493-1).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-551758 was outside the method criteria for the following analyte(s): 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(s) is considered estimated. The associated sample is: D-14 (1.7-2.2) (480-175493-1).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-551758 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane . The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-14 (1.7-2.2) (480-175493-1), D-14 (26.8) (480-175493-2), D-14 (33) (480-175493-3), D-14 (34.2) (480-175493-4), D-15 (32.2-32.4) (480-175493-5), D-15 (33.1) (480-175493-6), D-16 (23.5-24) (480-175493-8), D-16 (27.5) (480-175493-9), DUP-04_20200922 (480-175493-11), D-17 (23.5) (480-175569-1), D-17 (34.5) (480-175569-2), D-18 (14) (480-175569-3) and D-18 (12.1) (480-175569-4).

Method 8260C: Due to the coelution of Ethyl Acetate with 2-Butanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 480-550908. The following samples were affected : D-14 (1.7-2.2) (480-175493-1), D-14 (26.8) (480-175493-2), D-14 (33) (480-175493-3), D-14 (34.2) (480-175493-4), D-15 (32.2-32.4) (480-175493-5), D-15 (33.1) (480-175493-6), D-16 (23.5-24) (480-175493-8), D-16 (27.5) (480-175493-9) and DUP-04_20200922 (480-175493-11).

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-11 (30.5) — Lab Sample ID: 480-175437-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2500		540		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	41000		540		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-11 (33.5) — Lab Sample ID: 480-175437-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	8900		260		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-11 (34.5) — Lab Sample ID: 480-175437-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1400		1300		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	89000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-12 (26.5) — Lab Sample ID: 480-175437-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	560		120		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	3900		120		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1700		120		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	450		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-12 (29.5) — Lab Sample ID: 480-175437-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	1600		310		ug/Kg	2	☼	8260C	Total/NA
cis-1,2-Dichloroethene	11000		310		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	2500		310		ug/Kg	2	☼	8260C	Total/NA
Vinyl chloride	2000		310		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-12 (32.7) — Lab Sample ID: 480-175437-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	330		250		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	8800		250		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-13 (20.5) — Lab Sample ID: 480-175437-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	27000		470		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-13 (24.5) — Lab Sample ID: 480-175437-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	28000		890		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-13 (32.4) — Lab Sample ID: 480-175437-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	42000		1000		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-14 (1.7-2.2) — Lab Sample ID: 480-175493-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	150		140		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-14 (1.7-2.2) (Continued) — Lab Sample ID: 480-175493-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	240		140		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	1700		140		ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	700		140		ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	1700		140		ug/Kg	1	☼	8260C	Total/NA
Toluene	330		140		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	1400		140		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1100		140		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	430		140		ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	680		290		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-14 (26.8) — Lab Sample ID: 480-175493-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	120000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-14 (33) — Lab Sample ID: 480-175493-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	260000		7200		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-14 (34.2) — Lab Sample ID: 480-175493-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	61000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-15 (32.2-32.4) — Lab Sample ID: 480-175493-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	70000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-15 (33.1) — Lab Sample ID: 480-175493-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	37000		1000		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-16 (4-4.5) — Lab Sample ID: 480-175493-7

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	4.3		0.5		%	1		ASTM D2974	Total/NA
Ash Content	95.7		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	22.5		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: D-16 (23.5-24) — Lab Sample ID: 480-175493-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	470		470		ug/Kg	4	☼	8260C	Total/NA
cis-1,2-Dichloroethene	28000		470		ug/Kg	4	☼	8260C	Total/NA
Cyclohexane	740		470		ug/Kg	4	☼	8260C	Total/NA
Ethylbenzene	880		470		ug/Kg	4	☼	8260C	Total/NA
Methylcyclohexane	2200		470		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	29000		470		ug/Kg	4	☼	8260C	Total/NA
Xylenes, Total	2300		940		ug/Kg	4	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-16 (27.5) — Lab Sample ID: 480-175493-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6400		2200		ug/Kg	20	☼	8260C	Total/NA
Toluene	2200		2200		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	79000		2200		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: DUP-04_20200922 — Lab Sample ID: 480-175493-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	37000		1100		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-175493-12

No Detections.

Client Sample ID: FB-01_20200922 — Lab Sample ID: 480-175493-13

No Detections.

Client Sample ID: D-17 (23.5) — Lab Sample ID: 480-175569-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	51000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-17 (34.5) — Lab Sample ID: 480-175569-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4000		150		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-18 (14) — Lab Sample ID: 480-175569-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	59000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-18 (12.1) — Lab Sample ID: 480-175569-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	45000		490		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: TRIP BLANK-20200923 — Lab Sample ID: 480-175569-5

No Detections.

Client Sample ID: FB-02-20200923 — Lab Sample ID: 480-175569-6

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-11 (30.5)

Date Collected: 09/21/20 10:35
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-1

Matrix: Solid
Percent Solids: 80.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,1,2,2-Tetrachloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,1,2-Trichloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,1-Dichloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,1-Dichloroethene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2,4-Trichlorobenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2-Dibromo-3-Chloropropane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2-Dibromoethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2-Dichlorobenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2-Dichloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,2-Dichloropropane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,3-Dichlorobenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
1,4-Dichlorobenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methyl ethyl ketone (MEK)	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
2-Hexanone	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methyl isobutyl ketone (MIBK)	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Acetone	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Benzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Bromodichloromethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Bromoform	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Bromomethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Carbon disulfide	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Carbon tetrachloride	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Chlorobenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Chloroethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Chloroform	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Chloromethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
cis-1,2-Dichloroethene	**2500**		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
cis-1,3-Dichloropropene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Cyclohexane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Dibromochloromethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Dichlorodifluoromethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Ethylbenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Isopropylbenzene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methyl acetate	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methyl tert-butyl ether	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methylcyclohexane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Methylene Chloride	ND	*	540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Styrene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Tetrachloroethene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Toluene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
trans-1,2-Dichloroethene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
trans-1,3-Dichloropropene	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Trichloroethene	**41000**		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Trichlorofluoromethane	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Vinyl chloride	ND		540		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4
Xylenes, Total	ND		1100		ug/Kg	☼	09/23/20 14:22	09/25/20 17:30	4

Client Sample ID: D-11 (30.5)

Date Collected: 09/21/20 10:35
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-1

Matrix: Solid
Percent Solids: 80.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/23/20 14:22*	*09/25/20 17:30*	*4*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*09/23/20 14:22*	*09/25/20 17:30*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/23/20 14:22*	*09/25/20 17:30*	*4*
Toluene-d8 (Surr)	*104*		*50 - 149*	*09/23/20 14:22*	*09/25/20 17:30*	*4*

Client Sample ID: D-11 (33.5)

Date Collected: 09/21/20 10:40
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-2

Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,1,2,2-Tetrachloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,1,2-Trichloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,1-Dichloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,1-Dichloroethene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2,4-Trichlorobenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2-Dibromo-3-Chloropropane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2-Dibromoethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2-Dichlorobenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2-Dichloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,2-Dichloropropane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,3-Dichlorobenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
1,4-Dichlorobenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methyl ethyl ketone (MEK)	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
2-Hexanone	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methyl isobutyl ketone (MIBK)	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Acetone	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Benzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Bromodichloromethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Bromoform	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Bromomethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Carbon disulfide	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Carbon tetrachloride	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Chlorobenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Chloroethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Chloroform	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Chloromethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
cis-1,2-Dichloroethene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
cis-1,3-Dichloropropene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Cyclohexane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Dibromochloromethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Dichlorodifluoromethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Ethylbenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Isopropylbenzene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methyl acetate	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methyl tert-butyl ether	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methylcyclohexane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Methylene Chloride	ND	*	260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2

Client Sample ID: D-11 (33.5)

Date Collected: 09/21/20 10:40
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-2

Matrix: Solid
Percent Solids: 83.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Tetrachloroethene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Toluene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
trans-1,2-Dichloroethene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
trans-1,3-Dichloropropene	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Trichloroethene	**8900**		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Trichlorofluoromethane	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Vinyl chloride	ND		260		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2
Xylenes, Total	ND		510		ug/Kg	☼	09/23/20 14:22	09/25/20 17:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/23/20 14:22*	*09/25/20 17:53*	*2*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/23/20 14:22*	*09/25/20 17:53*	*2*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/23/20 14:22*	*09/25/20 17:53*	*2*
Toluene-d8 (Surr)	*104*		*50 - 149*	*09/23/20 14:22*	*09/25/20 17:53*	*2*

Client Sample ID: D-11 (34.5)

Date Collected: 09/21/20 10:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-3

Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methyl ethyl ketone (MEK)	ND		6700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
2-Hexanone	ND		6700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methyl isobutyl ketone (MIBK)	ND		6700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Acetone	ND		6700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Benzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Bromodichloromethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Bromoform	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Bromomethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Carbon disulfide	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Chlorobenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Chloroethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Chloroform	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Chloromethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10

Client Sample ID: D-11 (34.5)

Date Collected: 09/21/20 10:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-3

Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**1400**		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Cyclohexane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Dibromochloromethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Ethylbenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Isopropylbenzene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methyl acetate	ND		6700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methylcyclohexane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Methylene Chloride	ND	*	1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Styrene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Tetrachloroethene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Toluene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Trichloroethene	**89000**		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Vinyl chloride	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10
Xylenes, Total	ND		2700		ug/Kg	☼	09/23/20 14:22	09/25/20 18:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*09/23/20 14:22*	*09/25/20 18:16*	*10*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 14:22*	*09/25/20 18:16*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*09/23/20 14:22*	*09/25/20 18:16*	*10*
Toluene-d8 (Surr)	*104*		*50 - 149*	*09/23/20 14:22*	*09/25/20 18:16*	*10*

Client Sample ID: D-12 (26.5)

Date Collected: 09/21/20 12:20
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-4

Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2-Dichloroethane	**560**		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methyl ethyl ketone (MEK)	ND		600		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
2-Hexanone	ND		600		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methyl isobutyl ketone (MIBK)	ND		600		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1

Client Sample ID: D-12 (26.5)
Date Collected: 09/21/20 12:20
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-4
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		600		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Benzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Bromodichloromethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Bromoform	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Bromomethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Carbon disulfide	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Carbon tetrachloride	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Chlorobenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Chloroethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Chloroform	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Chloromethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
cis-1,2-Dichloroethene	**3900**		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Cyclohexane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Dibromochloromethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Ethylbenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Isopropylbenzene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methyl acetate	ND		600		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methylcyclohexane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Methylene Chloride	ND	*	120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Styrene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Tetrachloroethene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Toluene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Trichloroethene	**1700**		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Vinyl chloride	**450**		120		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1
Xylenes, Total	ND		240		ug/Kg	☼	09/23/20 14:22	09/25/20 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/23/20 14:22*	*09/25/20 18:39*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 14:22*	*09/25/20 18:39*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/23/20 14:22*	*09/25/20 18:39*	*1*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 14:22*	*09/25/20 18:39*	*1*

Client Sample ID: D-12 (29.5)
Date Collected: 09/21/20 12:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-5
Matrix: Solid
Percent Solids: 72.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,1,2,2-Tetrachloroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,1,2-Trichloroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,1-Dichloroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,1-Dichloroethene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-12 (29.5)
Date Collected: 09/21/20 12:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-5
Matrix: Solid
Percent Solids: 72.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,2-Dibromo-3-Chloropropane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,2-Dibromoethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,2-Dichlorobenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,2-Dichloroethane	**1600**		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,2-Dichloropropane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,3-Dichlorobenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
1,4-Dichlorobenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methyl ethyl ketone (MEK)	ND		1600		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
2-Hexanone	ND		1600		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methyl isobutyl ketone (MIBK)	ND		1600		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Acetone	ND		1600		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Benzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Bromodichloromethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Bromoform	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Bromomethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Carbon disulfide	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Carbon tetrachloride	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Chlorobenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Chloroethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Chloroform	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Chloromethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
cis-1,2-Dichloroethene	**11000**		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
cis-1,3-Dichloropropene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Cyclohexane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Dibromochloromethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Dichlorodifluoromethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Ethylbenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Isopropylbenzene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methyl acetate	ND		1600		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methyl tert-butyl ether	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methylcyclohexane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Methylene Chloride	ND	*	310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Styrene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Tetrachloroethene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Toluene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
trans-1,2-Dichloroethene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
trans-1,3-Dichloropropene	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Trichloroethene	**2500**		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Trichlorofluoromethane	ND		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Vinyl chloride	**2000**		310		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2
Xylenes, Total	ND		620		ug/Kg	☼	09/23/20 14:22	09/25/20 19:02	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/23/20 14:22*	*09/25/20 19:02*	*2*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*09/23/20 14:22*	*09/25/20 19:02*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/23/20 14:22*	*09/25/20 19:02*	*2*
Toluene-d8 (Surr)	*107*		*50 - 149*	*09/23/20 14:22*	*09/25/20 19:02*	*2*

Client Sample ID: D-12 (32.7)

Date Collected: 09/21/20 12:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-6

Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,1,2,2-Tetrachloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,1,2-Trichloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,1-Dichloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,1-Dichloroethene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2,4-Trichlorobenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2-Dibromoethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2-Dichlorobenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2-Dichloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,2-Dichloropropane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,3-Dichlorobenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
1,4-Dichlorobenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methyl ethyl ketone (MEK)	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
2-Hexanone	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methyl isobutyl ketone (MIBK)	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Acetone	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Benzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Bromodichloromethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Bromoform	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Bromomethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Carbon disulfide	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Carbon tetrachloride	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Chlorobenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Chloroethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Chloroform	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Chloromethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
cis-1,2-Dichloroethene	**330**		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
cis-1,3-Dichloropropene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Cyclohexane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Dibromochloromethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Dichlorodifluoromethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Ethylbenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Isopropylbenzene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methyl acetate	ND		1300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methyl tert-butyl ether	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methylcyclohexane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Methylene Chloride	ND	*	250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Styrene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Tetrachloroethene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Toluene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
trans-1,2-Dichloroethene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
trans-1,3-Dichloropropene	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Trichloroethene	**8800**		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Trichlorofluoromethane	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Vinyl chloride	ND		250		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2
Xylenes, Total	ND		500		ug/Kg	☼	09/23/20 14:22	09/25/20 19:25	2

Client Sample ID: D-12 (32.7)

Date Collected: 09/21/20 12:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-6

Matrix: Solid
Percent Solids: 85.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*09/23/20 14:22*	*09/25/20 19:25*	*2*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*09/23/20 14:22*	*09/25/20 19:25*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/23/20 14:22*	*09/25/20 19:25*	*2*
Toluene-d8 (Surr)	*104*		*50 - 149*	*09/23/20 14:22*	*09/25/20 19:25*	*2*

Client Sample ID: D-13 (20.5)

Date Collected: 09/21/20 14:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-7

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,1,2,2-Tetrachloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,1,2-Trichloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,1-Dichloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,1-Dichloroethene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2,4-Trichlorobenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2-Dibromo-3-Chloropropane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2-Dibromoethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2-Dichloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,2-Dichloropropane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,3-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
1,4-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methyl ethyl ketone (MEK)	ND		2300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
2-Hexanone	ND		2300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Acetone	ND		2300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Benzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Bromodichloromethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Bromoform	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Bromomethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Carbon disulfide	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Carbon tetrachloride	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Chlorobenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Chloroethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Chloroform	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Chloromethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
cis-1,2-Dichloroethene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
cis-1,3-Dichloropropene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Cyclohexane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Dibromochloromethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Dichlorodifluoromethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Ethylbenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Isopropylbenzene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methyl acetate	ND		2300		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methyl tert-butyl ether	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methylcyclohexane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Methylene Chloride	ND	*	470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4

Client Sample ID: D-13 (20.5)

Date Collected: 09/21/20 14:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-7

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Tetrachloroethene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Toluene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
trans-1,2-Dichloroethene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
trans-1,3-Dichloropropene	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Trichloroethene	**27000**		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Trichlorofluoromethane	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Vinyl chloride	ND		470		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4
Xylenes, Total	ND		930		ug/Kg	☼	09/23/20 14:22	09/25/20 19:48	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*09/23/20 14:22*	*09/25/20 19:48*	*4*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*09/23/20 14:22*	*09/25/20 19:48*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/23/20 14:22*	*09/25/20 19:48*	*4*
Toluene-d8 (Surr)	*102*		*50 - 149*	*09/23/20 14:22*	*09/25/20 19:48*	*4*

Client Sample ID: D-13 (24.5)

Date Collected: 09/21/20 14:55
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-8

Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,1,2,2-Tetrachloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,1,2-Trichloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,1-Dichloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,1-Dichloroethene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2,4-Trichlorobenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2-Dibromo-3-Chloropropane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2-Dibromoethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2-Dichlorobenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2-Dichloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,2-Dichloropropane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,3-Dichlorobenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
1,4-Dichlorobenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methyl ethyl ketone (MEK)	ND		4500		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
2-Hexanone	ND		4500		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methyl isobutyl ketone (MIBK)	ND		4500		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Acetone	ND		4500		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Benzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Bromodichloromethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Bromoform	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Bromomethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Carbon disulfide	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Carbon tetrachloride	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Chlorobenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Chloroethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Chloroform	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Chloromethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8

Client Sample ID: D-13 (24.5)

Date Collected: 09/21/20 14:55
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-8

Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
cis-1,3-Dichloropropene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Cyclohexane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Dibromochloromethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Dichlorodifluoromethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Ethylbenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Isopropylbenzene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methyl acetate	ND		4500		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methyl tert-butyl ether	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methylcyclohexane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Methylene Chloride	ND	*	890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Styrene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Tetrachloroethene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Toluene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
trans-1,2-Dichloroethene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
trans-1,3-Dichloropropene	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Trichloroethene	**28000**		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Trichlorofluoromethane	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Vinyl chloride	ND		890		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8
Xylenes, Total	ND		1800		ug/Kg	☼	09/23/20 15:21	09/25/20 20:11	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*09/23/20 15:21*	*09/25/20 20:11*	*8*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 15:21*	*09/25/20 20:11*	*8*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*09/23/20 15:21*	*09/25/20 20:11*	*8*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/23/20 15:21*	*09/25/20 20:11*	*8*

Client Sample ID: D-13 (32.4)

Date Collected: 09/21/20 15:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-9

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,1-Dichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,1-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2-Dibromoethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2-Dichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,2-Dichloropropane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methyl ethyl ketone (MEK)	ND		5100		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
2-Hexanone	ND		5100		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methyl isobutyl ketone (MIBK)	ND		5100		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8

Client Sample ID: D-13 (32.4)

Date Collected: 09/21/20 15:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-9

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		5100		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Benzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Bromodichloromethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Bromoform	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Bromomethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Carbon disulfide	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Carbon tetrachloride	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Chlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Chloroethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Chloroform	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Chloromethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Cyclohexane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Dibromochloromethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Ethylbenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Isopropylbenzene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methyl acetate	ND		5100		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methylcyclohexane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Methylene Chloride	ND	*	1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Styrene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Tetrachloroethene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Toluene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
trans-1,3-Dichloropropene	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Trichloroethene	**42000**		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Trichlorofluoromethane	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Vinyl chloride	ND		1000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8
Xylenes, Total	ND		2000		ug/Kg	☼	09/23/20 15:21	09/25/20 20:35	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/23/20 15:21*	*09/25/20 20:35*	*8*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 15:21*	*09/25/20 20:35*	*8*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*09/23/20 15:21*	*09/25/20 20:35*	*8*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 15:21*	*09/25/20 20:35*	*8*

Client Sample ID: D-14 (1.7-2.2)

Date Collected: 09/22/20 08:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-1

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,1,2,2-Tetrachloroethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,1,2-Trichloroethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,1-Dichloroethane	**150**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,1-Dichloroethene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1

Client Sample ID: D-14 (1.7-2.2)
Date Collected: 09/22/20 08:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-1
Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,2-Dibromo-3-Chloropropane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,2-Dibromoethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,2-Dichlorobenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,2-Dichloroethane	**240**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,2-Dichloropropane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,3-Dichlorobenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
1,4-Dichlorobenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methyl ethyl ketone (MEK)	ND	*	710		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
2-Hexanone	ND		710		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methyl isobutyl ketone (MIBK)	ND		710		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Acetone	ND		710		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Benzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Bromodichloromethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Bromoform	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Bromomethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Carbon disulfide	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Carbon tetrachloride	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Chlorobenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Chloroethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Chloroform	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Chloromethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
cis-1,2-Dichloroethene	**1700**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
cis-1,3-Dichloropropene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Cyclohexane	**700**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Dibromochloromethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Dichlorodifluoromethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Ethylbenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Isopropylbenzene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methyl acetate	ND		710		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methyl tert-butyl ether	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methylcyclohexane	**1700**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Methylene Chloride	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Styrene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Tetrachloroethene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Toluene	**330**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
trans-1,2-Dichloroethene	**1400**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
trans-1,3-Dichloropropene	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Trichloroethene	**1100**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Trichlorofluoromethane	ND		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Vinyl chloride	**430**		140		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1
Xylenes, Total	**680**		290		ug/Kg	☼	09/23/20 15:46	09/30/20 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*09/23/20 15:46*	*09/30/20 15:51*	*1*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*09/23/20 15:46*	*09/30/20 15:51*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*09/23/20 15:46*	*09/30/20 15:51*	*1*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/23/20 15:46*	*09/30/20 15:51*	*1*

Client Sample ID: D-14 (26.8)
Date Collected: 09/22/20 09:55
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-2
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methyl ethyl ketone (MEK)	ND	*	15000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
2-Hexanone	ND		15000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Acetone	ND		15000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Benzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Bromodichloromethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Bromoform	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Bromomethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Carbon disulfide	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Chlorobenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Chloroethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Chloroform	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Chloromethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Cyclohexane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Dibromochloromethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Ethylbenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Isopropylbenzene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methyl acetate	ND		15000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methylcyclohexane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Methylene Chloride	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Styrene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Tetrachloroethene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Toluene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Trichloroethene	**120000**		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Trichlorofluoromethane	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Vinyl chloride	ND		2900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25
Xylenes, Total	ND		5900		ug/Kg	☼	09/23/20 15:46	09/30/20 16:14	25

Client Sample ID: D-14 (26.8)

Date Collected: 09/22/20 09:55
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-2

Matrix: Solid
Percent Solids: 89.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*09/23/20 15:46*	*09/30/20 16:14*	*25*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*09/23/20 15:46*	*09/30/20 16:14*	*25*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/23/20 15:46*	*09/30/20 16:14*	*25*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 15:46*	*09/30/20 16:14*	*25*

Client Sample ID: D-14 (33)

Date Collected: 09/22/20 10:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-3

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,1,2,2-Tetrachloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,1,2-Trichloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,1-Dichloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,1-Dichloroethene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2,4-Trichlorobenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2-Dibromo-3-Chloropropane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2-Dibromoethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2-Dichlorobenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2-Dichloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,2-Dichloropropane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,3-Dichlorobenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
1,4-Dichlorobenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methyl ethyl ketone (MEK)	ND	*	36000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
2-Hexanone	ND		36000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methyl isobutyl ketone (MIBK)	ND		36000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Acetone	ND		36000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Benzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Bromodichloromethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Bromoform	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Bromomethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Carbon disulfide	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Carbon tetrachloride	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Chlorobenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Chloroethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Chloroform	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Chloromethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
cis-1,2-Dichloroethene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
cis-1,3-Dichloropropene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Cyclohexane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Dibromochloromethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Dichlorodifluoromethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Ethylbenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Isopropylbenzene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methyl acetate	ND		36000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methyl tert-butyl ether	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methylcyclohexane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Methylene Chloride	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50

Client Sample ID: D-14 (33)

Date Collected: 09/22/20 10:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-3

Matrix: Solid
Percent Solids: 77.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Tetrachloroethene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Toluene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
trans-1,2-Dichloroethene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
trans-1,3-Dichloropropene	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Trichloroethene	**260000**		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Trichlorofluoromethane	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Vinyl chloride	ND		7200		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50
Xylenes, Total	ND		14000		ug/Kg	☼	09/23/20 15:46	09/30/20 16:37	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/23/20 15:46*	*09/30/20 16:37*	*50*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*09/23/20 15:46*	*09/30/20 16:37*	*50*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*09/23/20 15:46*	*09/30/20 16:37*	*50*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 15:46*	*09/30/20 16:37*	*50*

Client Sample ID: D-14 (34.2)

Date Collected: 09/22/20 10:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-4

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methyl ethyl ketone (MEK)	ND	*	6300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
2-Hexanone	ND		6300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methyl isobutyl ketone (MIBK)	ND		6300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Acetone	ND		6300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Benzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Bromodichloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Bromoform	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Bromomethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Carbon disulfide	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Chlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Chloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Chloroform	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Chloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10

Client Sample ID: D-14 (34.2)

Date Collected: 09/22/20 10:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-4

Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Cyclohexane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Dibromochloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Ethylbenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Isopropylbenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methyl acetate	ND		6300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methylcyclohexane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Methylene Chloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Styrene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Tetrachloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Toluene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Trichloroethene	**61000**		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Vinyl chloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10
Xylenes, Total	ND		2500		ug/Kg	☼	09/23/20 15:46	09/30/20 17:00	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/23/20 15:46*	*09/30/20 17:00*	*10*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*09/23/20 15:46*	*09/30/20 17:00*	*10*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/23/20 15:46*	*09/30/20 17:00*	*10*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 15:46*	*09/30/20 17:00*	*10*

Client Sample ID: D-15 (32.2-32.4)

Date Collected: 09/22/20 12:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-5

Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methyl ethyl ketone (MEK)	ND	*	6600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
2-Hexanone	ND		6600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methyl isobutyl ketone (MIBK)	ND		6600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10

Client Sample ID: D-15 (32.2-32.4)

Date Collected: 09/22/20 12:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-5

Matrix: Solid
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		6600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Benzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Bromodichloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Bromoform	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Bromomethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Carbon disulfide	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Chlorobenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Chloroethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Chloroform	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Chloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Cyclohexane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Dibromochloromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Ethylbenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Isopropylbenzene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methyl acetate	ND		6600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methylcyclohexane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Methylene Chloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Styrene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Tetrachloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Toluene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Trichloroethene	**70000**		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Vinyl chloride	ND		1300		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10
Xylenes, Total	ND		2600		ug/Kg	☼	09/23/20 15:46	09/30/20 17:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/23/20 15:46*	*09/30/20 17:23*	*10*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/23/20 15:46*	*09/30/20 17:23*	*10*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/23/20 15:46*	*09/30/20 17:23*	*10*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 15:46*	*09/30/20 17:23*	*10*

Client Sample ID: D-15 (33.1)

Date Collected: 09/22/20 12:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-6

Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,1-Dichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,1-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-15 (33.1)
Date Collected: 09/22/20 12:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-6
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,2-Dibromoethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,2-Dichloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,2-Dichloropropane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methyl ethyl ketone (MEK)	ND	*	5000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
2-Hexanone	ND		5000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methyl isobutyl ketone (MIBK)	ND		5000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Acetone	ND		5000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Benzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Bromodichloromethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Bromoform	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Bromomethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Carbon disulfide	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Carbon tetrachloride	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Chlorobenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Chloroethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Chloroform	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Chloromethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Cyclohexane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Dibromochloromethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Ethylbenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Isopropylbenzene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methyl acetate	ND		5000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methylcyclohexane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Methylene Chloride	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Styrene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Tetrachloroethene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Toluene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
trans-1,3-Dichloropropene	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Trichloroethene	**37000**		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Trichlorofluoromethane	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Vinyl chloride	ND		1000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8
Xylenes, Total	ND		2000		ug/Kg	☼	09/23/20 15:46	09/30/20 17:47	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/23/20 15:46*	*09/30/20 17:47*	*8*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*09/23/20 15:46*	*09/30/20 17:47*	*8*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/23/20 15:46*	*09/30/20 17:47*	*8*
Toluene-d8 (Surr)	*108*		*50 - 149*	*09/23/20 15:46*	*09/30/20 17:47*	*8*

Client Sample ID: D-16 (4-4.5)

Lab Sample ID: 480-175493-7
Matrix: Solid
Date Collected: 09/22/20 13:40
Date Received: 09/23/20 10:30

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	**4.3**		0.5		%			10/05/20 19:59	1
Ash Content	**95.7**		0.5		%			10/05/20 19:59	1
Moisture Content	**22.5**		0.5		%			10/05/20 19:59	1

Client Sample ID: D-16 (23.5-24)

Lab Sample ID: 480-175493-8
Matrix: Solid
Date Collected: 09/22/20 14:25
Percent Solids: 88.3
Date Received: 09/23/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,1,2,2-Tetrachloroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,1,2-Trichloroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,1-Dichloroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,1-Dichloroethene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2,4-Trichlorobenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2-Dibromo-3-Chloropropane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2-Dibromoethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2-Dichloroethane	**470**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,2-Dichloropropane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,3-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
1,4-Dichlorobenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methyl ethyl ketone (MEK)	ND	*	2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
2-Hexanone	ND		2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Acetone	ND		2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Benzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Bromodichloromethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Bromoform	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Bromomethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Carbon disulfide	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Carbon tetrachloride	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Chlorobenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Chloroethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Chloroform	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Chloromethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
cis-1,2-Dichloroethene	**28000**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
cis-1,3-Dichloropropene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Cyclohexane	**740**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Dibromochloromethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Dichlorodifluoromethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Ethylbenzene	**880**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Isopropylbenzene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methyl acetate	ND		2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methyl tert-butyl ether	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methylcyclohexane	**2200**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Methylene Chloride	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Styrene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4

Client Sample ID: D-16 (23.5-24)

Date Collected: 09/22/20 14:25
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-8

Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Toluene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
trans-1,2-Dichloroethene	ND	F1	470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
trans-1,3-Dichloropropene	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Trichloroethene	**29000**		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Trichlorofluoromethane	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Vinyl chloride	ND		470		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4
Xylenes, Total	**2300**		940		ug/Kg	☼	09/23/20 15:46	09/30/20 18:11	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*09/23/20 15:46*	*09/30/20 18:11*	*4*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 15:46*	*09/30/20 18:11*	*4*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*09/23/20 15:46*	*09/30/20 18:11*	*4*
Toluene-d8 (Surr)	*107*		*50 - 149*	*09/23/20 15:46*	*09/30/20 18:11*	*4*

Client Sample ID: D-16 (27.5)

Date Collected: 09/22/20 14:35
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-9

Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,1,2,2-Tetrachloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,1,2-Trichloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,1-Dichloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,1-Dichloroethene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2,4-Trichlorobenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2-Dibromo-3-Chloropropane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2-Dibromoethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2-Dichlorobenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2-Dichloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,2-Dichloropropane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,3-Dichlorobenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
1,4-Dichlorobenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methyl ethyl ketone (MEK)	ND	*	11000		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
2-Hexanone	ND		11000		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methyl isobutyl ketone (MIBK)	ND		11000		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Acetone	ND		11000		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Benzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Bromodichloromethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Bromoform	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Bromomethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Carbon disulfide	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Carbon tetrachloride	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Chlorobenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Chloroethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Chloroform	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Chloromethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
cis-1,2-Dichloroethene	**6400**		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20

Client Sample ID: D-16 (27.5)

Date Collected: 09/22/20 14:35
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-9

Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Cyclohexane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Dibromochloromethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Dichlorodifluoromethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Ethylbenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Isopropylbenzene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methyl acetate	ND		11000		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methyl tert-butyl ether	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methylcyclohexane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Methylene Chloride	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Styrene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Tetrachloroethene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Toluene	**2200**		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
trans-1,2-Dichloroethene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
trans-1,3-Dichloropropene	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Trichloroethene	**79000**		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Trichlorofluoromethane	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Vinyl chloride	ND		2200		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20
Xylenes, Total	ND		4500		ug/Kg	☼	09/23/20 15:46	09/30/20 18:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/23/20 15:46*	*09/30/20 18:34*	*20*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/23/20 15:46*	*09/30/20 18:34*	*20*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/23/20 15:46*	*09/30/20 18:34*	*20*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/23/20 15:46*	*09/30/20 18:34*	*20*

Client Sample ID: DUP-04_20200922

Date Collected: 09/22/20 00:00
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-11

Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methyl ethyl ketone (MEK)	ND	*	5600		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
2-Hexanone	ND		5600		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Acetone	ND		5600		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8

Client Sample ID: DUP-04_20200922

Date Collected: 09/22/20 00:00
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-11

Matrix: Solid
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Bromodichloromethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Bromoform	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Bromomethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Carbon disulfide	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Chlorobenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Chloroethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Chloroform	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Chloromethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Cyclohexane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Dibromochloromethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Ethylbenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Isopropylbenzene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methyl acetate	ND		5600		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methylcyclohexane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Methylene Chloride	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Styrene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Tetrachloroethene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Toluene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Trichloroethene	**37000**		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Vinyl chloride	ND		1100		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8
Xylenes, Total	ND		2300		ug/Kg	☼	09/23/20 15:46	09/30/20 18:57	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*09/23/20 15:46*	*09/30/20 18:57*	*8*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/23/20 15:46*	*09/30/20 18:57*	*8*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/23/20 15:46*	*09/30/20 18:57*	*8*
Toluene-d8 (Surr)	*108*		*50 - 149*	*09/23/20 15:46*	*09/30/20 18:57*	*8*

Client Sample ID: TRIP BLANK

Date Collected: 09/22/20 16:10
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/28/20 22:15	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/28/20 22:15	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/28/20 22:15	1
1,1-Dichloroethane	ND		5.0		ug/L			09/28/20 22:15	1
1,1-Dichloroethene	ND		5.0		ug/L			09/28/20 22:15	1
1,2-Dichloroethane	ND		5.0		ug/L			09/28/20 22:15	1
1,2-Dichloropropane	ND		5.0		ug/L			09/28/20 22:15	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-175493-12

Date Collected: 09/22/20 16:10

Matrix: Water

Date Received: 09/23/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/28/20 22:15	1
Acetone	ND		10		ug/L			09/28/20 22:15	1
Benzene	ND		5.0		ug/L			09/28/20 22:15	1
Bromodichloromethane	ND		5.0		ug/L			09/28/20 22:15	1
Bromoform	ND		5.0		ug/L			09/28/20 22:15	1
Bromomethane	ND		5.0		ug/L			09/28/20 22:15	1
Carbon disulfide	ND		5.0		ug/L			09/28/20 22:15	1
Carbon tetrachloride	ND		5.0		ug/L			09/28/20 22:15	1
Chlorobenzene	ND		5.0		ug/L			09/28/20 22:15	1
Chloroethane	ND		5.0		ug/L			09/28/20 22:15	1
Chloroform	ND		5.0		ug/L			09/28/20 22:15	1
Chloromethane	ND		5.0		ug/L			09/28/20 22:15	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 22:15	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 22:15	1
Dibromochloromethane	ND		5.0		ug/L			09/28/20 22:15	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/28/20 22:15	1
Ethylbenzene	ND		5.0		ug/L			09/28/20 22:15	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			09/28/20 22:15	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			09/28/20 22:15	1
Methylene Chloride	ND		5.0		ug/L			09/28/20 22:15	1
Styrene	ND		5.0		ug/L			09/28/20 22:15	1
Tetrachloroethene	ND		5.0		ug/L			09/28/20 22:15	1
Toluene	ND		5.0		ug/L			09/28/20 22:15	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 22:15	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 22:15	1
Trichloroethene	ND		5.0		ug/L			09/28/20 22:15	1
Trichlorofluoromethane	ND		5.0		ug/L			09/28/20 22:15	1
Vinyl acetate	ND		5.0		ug/L			09/28/20 22:15	1
Vinyl chloride	ND		5.0		ug/L			09/28/20 22:15	1
Xylenes, Total	ND		5.0		ug/L			09/28/20 22:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*09/28/20 22:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/28/20 22:15*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/20 22:15*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*09/28/20 22:15*	*1*

Client Sample ID: FB-01_20200922

Lab Sample ID: 480-175493-13

Date Collected: 09/22/20 16:15

Matrix: Water

Date Received: 09/23/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/28/20 22:38	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/28/20 22:38	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/28/20 22:38	1
1,1-Dichloroethane	ND		5.0		ug/L			09/28/20 22:38	1
1,1-Dichloroethene	ND		5.0		ug/L			09/28/20 22:38	1
1,2-Dichloroethane	ND		5.0		ug/L			09/28/20 22:38	1
1,2-Dichloropropane	ND		5.0		ug/L			09/28/20 22:38	1

Client Sample ID: FB-01_20200922

Lab Sample ID: 480-175493-13

Date Collected: 09/22/20 16:15

Matrix: Water

Date Received: 09/23/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10		ug/L			09/28/20 22:38	1
Acetone	ND		10		ug/L			09/28/20 22:38	1
Benzene	ND		5.0		ug/L			09/28/20 22:38	1
Bromodichloromethane	ND		5.0		ug/L			09/28/20 22:38	1
Bromoform	ND		5.0		ug/L			09/28/20 22:38	1
Bromomethane	ND		5.0		ug/L			09/28/20 22:38	1
Carbon disulfide	ND		5.0		ug/L			09/28/20 22:38	1
Carbon tetrachloride	ND		5.0		ug/L			09/28/20 22:38	1
Chlorobenzene	ND		5.0		ug/L			09/28/20 22:38	1
Chloroethane	ND		5.0		ug/L			09/28/20 22:38	1
Chloroform	ND		5.0		ug/L			09/28/20 22:38	1
Chloromethane	ND		5.0		ug/L			09/28/20 22:38	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 22:38	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 22:38	1
Dibromochloromethane	ND		5.0		ug/L			09/28/20 22:38	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/28/20 22:38	1
Ethylbenzene	ND		5.0		ug/L			09/28/20 22:38	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			09/28/20 22:38	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			09/28/20 22:38	1
Methylene Chloride	ND		5.0		ug/L			09/28/20 22:38	1
Styrene	ND		5.0		ug/L			09/28/20 22:38	1
Tetrachloroethene	ND		5.0		ug/L			09/28/20 22:38	1
Toluene	ND		5.0		ug/L			09/28/20 22:38	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 22:38	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 22:38	1
Trichloroethene	ND		5.0		ug/L			09/28/20 22:38	1
Trichlorofluoromethane	ND		5.0		ug/L			09/28/20 22:38	1
Vinyl acetate	ND		5.0		ug/L			09/28/20 22:38	1
Vinyl chloride	ND		5.0		ug/L			09/28/20 22:38	1
Xylenes, Total	ND		5.0		ug/L			09/28/20 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/20 22:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*09/28/20 22:38*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/28/20 22:38*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/20 22:38*	*1*

Client Sample ID: D-17 (23.5)

Lab Sample ID: 480-175569-1

Date Collected: 09/23/20 09:25

Matrix: Solid

Date Received: 09/24/20 10:30

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-17 (23.5)
Date Collected: 09/23/20 09:25
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-1
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
2-Hexanone	ND		5600		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Acetone	ND		5600		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Benzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Bromoform	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Bromomethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Chloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Chloroform	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Chloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Cyclohexane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methyl acetate	ND		5600		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methylcyclohexane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Methylene Chloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Styrene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Toluene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Trichloroethene	**51000**		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10
Xylenes, Total	ND		2200		ug/Kg	☼	09/25/20 18:01	09/30/20 13:56	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/25/20 18:01*	*09/30/20 13:56*	*10*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*	*09/25/20 18:01*	*09/30/20 13:56*	*10*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/25/20 18:01*	*09/30/20 13:56*	*10*
Toluene-d8 (Surr)	*118*		*50 - 149*	*09/25/20 18:01*	*09/30/20 13:56*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-17 (34.5)
Date Collected: 09/23/20 10:05
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-2
Matrix: Solid
Percent Solids: 74.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,1,2,2-Tetrachloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,1,2-Trichloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,1-Dichloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,1-Dichloroethene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2,4-Trichlorobenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2-Dibromo-3-Chloropropane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2-Dibromoethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2-Dichlorobenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2-Dichloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,2-Dichloropropane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,3-Dichlorobenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
1,4-Dichlorobenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methyl ethyl ketone (MEK)	ND		740		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
2-Hexanone	ND		740		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methyl isobutyl ketone (MIBK)	ND		740		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Acetone	ND		740		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Benzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Bromodichloromethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Bromoform	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Bromomethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Carbon disulfide	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Carbon tetrachloride	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Chlorobenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Chloroethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Chloroform	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Chloromethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
cis-1,2-Dichloroethene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
cis-1,3-Dichloropropene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Cyclohexane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Dibromochloromethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Dichlorodifluoromethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Ethylbenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Isopropylbenzene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methyl acetate	ND		740		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methyl tert-butyl ether	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methylcyclohexane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Methylene Chloride	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Styrene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Tetrachloroethene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Toluene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
trans-1,2-Dichloroethene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
trans-1,3-Dichloropropene	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Trichloroethene	**4000**		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Trichlorofluoromethane	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Vinyl chloride	ND		150		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1
Xylenes, Total	ND		300		ug/Kg	☼	09/25/20 18:01	09/30/20 14:19	1

Client Sample ID: D-17 (34.5)

Date Collected: 09/23/20 10:05
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-2

Matrix: Solid
Percent Solids: 74.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*09/25/20 18:01*	*09/30/20 14:19*	*1*
4-Bromofluorobenzene (Surr)	*120*		*49 - 148*	*09/25/20 18:01*	*09/30/20 14:19*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/25/20 18:01*	*09/30/20 14:19*	*1*
Toluene-d8 (Surr)	*112*		*50 - 149*	*09/25/20 18:01*	*09/30/20 14:19*	*1*

Client Sample ID: D-18 (14)

Date Collected: 09/23/20 11:20
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-3

Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methyl ethyl ketone (MEK)	ND		5700		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
2-Hexanone	ND		5700		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methyl isobutyl ketone (MIBK)	ND		5700		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Acetone	ND		5700		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Benzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Bromodichloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Bromoform	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Bromomethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Carbon disulfide	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Chlorobenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Chloroethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Chloroform	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Chloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Cyclohexane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Dibromochloromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Ethylbenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Isopropylbenzene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methyl acetate	ND		5700		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methylcyclohexane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Methylene Chloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10

Client Sample ID: D-18 (14)

Date Collected: 09/23/20 11:20
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-3

Matrix: Solid
Percent Solids: 90.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Tetrachloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Toluene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Trichloroethene	**59000**		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Vinyl chloride	ND		1100		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10
Xylenes, Total	ND		2300		ug/Kg	☼	09/25/20 18:01	09/30/20 14:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/25/20 18:01*	*09/30/20 14:42*	*10*
4-Bromofluorobenzene (Surr)	*127*		*49 - 148*	*09/25/20 18:01*	*09/30/20 14:42*	*10*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*09/25/20 18:01*	*09/30/20 14:42*	*10*
Toluene-d8 (Surr)	*126*		*50 - 149*	*09/25/20 18:01*	*09/30/20 14:42*	*10*

Client Sample ID: D-18 (12.1)

Date Collected: 09/23/20 11:15
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-4

Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,1,2,2-Tetrachloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,1,2-Trichloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,1-Dichloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,1-Dichloroethene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2,4-Trichlorobenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2-Dibromo-3-Chloropropane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2-Dibromoethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2-Dichlorobenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2-Dichloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,2-Dichloropropane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,3-Dichlorobenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
1,4-Dichlorobenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methyl ethyl ketone (MEK)	ND		2400		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
2-Hexanone	ND		2400		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methyl isobutyl ketone (MIBK)	ND		2400		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Acetone	ND		2400		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Benzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Bromodichloromethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Bromoform	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Bromomethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Carbon disulfide	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Carbon tetrachloride	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Chlorobenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Chloroethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Chloroform	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Chloromethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4

Client Sample ID: D-18 (12.1)

Date Collected: 09/23/20 11:15
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-4

Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
cis-1,3-Dichloropropene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Cyclohexane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Dibromochloromethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Dichlorodifluoromethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Ethylbenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Isopropylbenzene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methyl acetate	ND		2400		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methyl tert-butyl ether	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methylcyclohexane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Methylene Chloride	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Styrene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Tetrachloroethene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Toluene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
trans-1,2-Dichloroethene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
trans-1,3-Dichloropropene	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Trichloroethene	**45000**		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Trichlorofluoromethane	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Vinyl chloride	ND		490		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4
Xylenes, Total	ND		970		ug/Kg	☼	09/25/20 18:01	09/30/20 15:05	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*09/25/20 18:01*	*09/30/20 15:05*	*4*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*09/25/20 18:01*	*09/30/20 15:05*	*4*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*09/25/20 18:01*	*09/30/20 15:05*	*4*
Toluene-d8 (Surr)	*103*		*50 - 149*	*09/25/20 18:01*	*09/30/20 15:05*	*4*

Client Sample ID: TRIP BLANK-20200923

Date Collected: 09/23/20 15:20
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/28/20 23:47	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/28/20 23:47	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/28/20 23:47	1
1,1-Dichloroethane	ND		5.0		ug/L			09/28/20 23:47	1
1,1-Dichloroethene	ND		5.0		ug/L			09/28/20 23:47	1
1,2-Dichloroethane	ND		5.0		ug/L			09/28/20 23:47	1
1,2-Dichloropropane	ND		5.0		ug/L			09/28/20 23:47	1
2-Hexanone	ND		10		ug/L			09/28/20 23:47	1
Acetone	ND		10		ug/L			09/28/20 23:47	1
Benzene	ND		5.0		ug/L			09/28/20 23:47	1
Bromodichloromethane	ND		5.0		ug/L			09/28/20 23:47	1
Bromoform	ND		5.0		ug/L			09/28/20 23:47	1
Bromomethane	ND		5.0		ug/L			09/28/20 23:47	1
Carbon disulfide	ND		5.0		ug/L			09/28/20 23:47	1
Carbon tetrachloride	ND		5.0		ug/L			09/28/20 23:47	1
Chlorobenzene	ND		5.0		ug/L			09/28/20 23:47	1
Chloroethane	ND		5.0		ug/L			09/28/20 23:47	1

Client Sample ID: TRIP BLANK-20200923

Lab Sample ID: 480-175569-5

Date Collected: 09/23/20 15:20

Matrix: Water

Date Received: 09/24/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0		ug/L			09/28/20 23:47	1
Chloromethane	ND		5.0		ug/L			09/28/20 23:47	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 23:47	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 23:47	1
Dibromochloromethane	ND		5.0		ug/L			09/28/20 23:47	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/28/20 23:47	1
Ethylbenzene	ND		5.0		ug/L			09/28/20 23:47	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			09/28/20 23:47	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			09/28/20 23:47	1
Methylene Chloride	ND		5.0		ug/L			09/28/20 23:47	1
Styrene	ND		5.0		ug/L			09/28/20 23:47	1
Tetrachloroethene	ND		5.0		ug/L			09/28/20 23:47	1
Toluene	ND		5.0		ug/L			09/28/20 23:47	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 23:47	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 23:47	1
Trichloroethene	ND		5.0		ug/L			09/28/20 23:47	1
Trichlorofluoromethane	ND		5.0		ug/L			09/28/20 23:47	1
Vinyl acetate	ND		5.0		ug/L			09/28/20 23:47	1
Vinyl chloride	ND		5.0		ug/L			09/28/20 23:47	1
Xylenes, Total	ND		5.0		ug/L			09/28/20 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/28/20 23:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*09/28/20 23:47*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*09/28/20 23:47*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/28/20 23:47*	*1*

Client Sample ID: FB-02-20200923

Lab Sample ID: 480-175569-6

Date Collected: 09/23/20 15:25

Matrix: Water

Date Received: 09/24/20 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/29/20 00:11	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/29/20 00:11	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/29/20 00:11	1
1,1-Dichloroethane	ND		5.0		ug/L			09/29/20 00:11	1
1,1-Dichloroethene	ND		5.0		ug/L			09/29/20 00:11	1
1,2-Dichloroethane	ND		5.0		ug/L			09/29/20 00:11	1
1,2-Dichloropropane	ND		5.0		ug/L			09/29/20 00:11	1
2-Hexanone	ND		10		ug/L			09/29/20 00:11	1
Acetone	ND		10		ug/L			09/29/20 00:11	1
Benzene	ND		5.0		ug/L			09/29/20 00:11	1
Bromodichloromethane	ND		5.0		ug/L			09/29/20 00:11	1
Bromoform	ND		5.0		ug/L			09/29/20 00:11	1
Bromomethane	ND		5.0		ug/L			09/29/20 00:11	1
Carbon disulfide	ND		5.0		ug/L			09/29/20 00:11	1
Carbon tetrachloride	ND		5.0		ug/L			09/29/20 00:11	1
Chlorobenzene	ND		5.0		ug/L			09/29/20 00:11	1
Chloroethane	ND		5.0		ug/L			09/29/20 00:11	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: FB-02-20200923
Date Collected: 09/23/20 15:25
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		5.0		ug/L			09/29/20 00:11	1
Chloromethane	ND		5.0		ug/L			09/29/20 00:11	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/29/20 00:11	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/29/20 00:11	1
Dibromochloromethane	ND		5.0		ug/L			09/29/20 00:11	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/29/20 00:11	1
Ethylbenzene	ND		5.0		ug/L			09/29/20 00:11	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			09/29/20 00:11	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			09/29/20 00:11	1
Methylene Chloride	ND		5.0		ug/L			09/29/20 00:11	1
Styrene	ND		5.0		ug/L			09/29/20 00:11	1
Tetrachloroethene	ND		5.0		ug/L			09/29/20 00:11	1
Toluene	ND		5.0		ug/L			09/29/20 00:11	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/29/20 00:11	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/29/20 00:11	1
Trichloroethene	ND		5.0		ug/L			09/29/20 00:11	1
Trichlorofluoromethane	ND		5.0		ug/L			09/29/20 00:11	1
Vinyl acetate	ND		5.0		ug/L			09/29/20 00:11	1
Vinyl chloride	ND		5.0		ug/L			09/29/20 00:11	1
Xylenes, Total	ND		5.0		ug/L			09/29/20 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*09/29/20 00:11*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*09/29/20 00:11*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*09/29/20 00:11*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/29/20 00:11*	*1*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-175437-1	D-11 (30.5)	103	107	103	104
480-175437-2	D-11 (33.5)	104	106	102	104
480-175437-3	D-11 (34.5)	109	108	108	104
480-175437-4	D-12 (26.5)	102	108	103	106
480-175437-5	D-12 (29.5)	105	109	101	107
480-175437-6	D-12 (32.7)	103	107	101	104
480-175437-7	D-13 (20.5)	108	109	103	102
480-175437-7 MS	D-13 (20.5)	103	108	106	106
480-175437-7 MSD	D-13 (20.5)	106	105	104	104
480-175437-8	D-13 (24.5)	106	108	107	103
480-175437-9	D-13 (32.4)	105	108	108	106
480-175493-1	D-14 (1.7-2.2)	100	111	99	103
480-175493-2	D-14 (26.8)	97	109	101	106
480-175493-3	D-14 (33)	99	109	104	106
480-175493-4	D-14 (34.2)	104	110	106	106
480-175493-5	D-15 (32.2-32.4)	99	106	103	106
480-175493-6	D-15 (33.1)	102	110	105	108
480-175493-8	D-16 (23.5-24)	102	108	100	107
480-175493-8 MS	D-16 (23.5-24)	99	106	102	108
480-175493-8 MSD	D-16 (23.5-24)	102	106	103	107
480-175493-9	D-16 (27.5)	101	106	106	103
480-175493-11	DUP-04_20200922	99	106	105	108
480-175569-1	D-17 (23.5)	104	89	103	118
480-175569-2	D-17 (34.5)	108	120	105	112
480-175569-3	D-18 (14)	105	127	106	126
480-175569-4	D-18 (12.1)	107	104	105	103
LCS 480-550876/1-A	Lab Control Sample	99	106	104	104
LCS 480-550908/1-A	Lab Control Sample	102	103	99	101
LCS 480-551324/1-A	Lab Control Sample	101	101	107	99
MB 480-550876/2-A	Method Blank	101	108	103	106
MB 480-550908/2-A	Method Blank	105	106	97	103
MB 480-551324/2-A	Method Blank	104	95	101	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175493-12	TRIP BLANK	98	99	102	102
480-175493-13	FB-01_20200922	100	97	102	103
480-175569-5	TRIP BLANK-20200923	100	99	103	103
480-175569-6	FB-02-20200923	100	98	102	103
LCS 480-551528/5	Lab Control Sample	97	102	103	101

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		DCA	BFB	TOL	DBFM				
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)				
MB 480-551528/7	Method Blank	98	98	102	100				

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-550876/2-A
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,1-Dichloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,1-Dichloroethene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2-Dibromoethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2-Dichloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,2-Dichloropropane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
2-Hexanone	ND		500		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Acetone	ND		500		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Benzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Bromodichloromethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Bromoform	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Bromomethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Carbon disulfide	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Carbon tetrachloride	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Chlorobenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Chloroethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Chloroform	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Chloromethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Cyclohexane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Dibromochloromethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Ethylbenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Isopropylbenzene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methyl acetate	ND		500		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methylcyclohexane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Methylene Chloride	151		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Styrene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Tetrachloroethene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Toluene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Trichloroethene	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Trichlorofluoromethane	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Vinyl chloride	ND		100		ug/Kg		09/23/20 14:22	09/25/20 12:32	1
Xylenes, Total	ND		200		ug/Kg		09/23/20 14:22	09/25/20 12:32	1

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

Lab Sample ID: MB 480-550876/2-A
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550876

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*09/23/20 14:22*	*09/25/20 12:32*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*09/23/20 14:22*	*09/25/20 12:32*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*09/23/20 14:22*	*09/25/20 12:32*	*1*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/23/20 14:22*	*09/25/20 12:32*	*1*

Lab Sample ID: LCS 480-550876/1-A
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2710		ug/Kg		108	68 - 130
1,1,2,2-Tetrachloroethane	2500	2390		ug/Kg		96	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2870		ug/Kg		115	10 - 179
1,1,2-Trichloroethane	2500	2450		ug/Kg		98	80 - 120
1,1-Dichloroethane	2500	2610		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2670		ug/Kg		107	48 - 133
1,2,4-Trichlorobenzene	2500	2720		ug/Kg		109	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2130		ug/Kg		85	56 - 122
1,2-Dibromoethane	2500	2610		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	2500	2710		ug/Kg		108	78 - 125
1,2-Dichloroethane	2500	2440		ug/Kg		97	74 - 127
1,2-Dichloropropane	2500	2710		ug/Kg		108	80 - 120
1,3-Dichlorobenzene	2500	2670		ug/Kg		107	80 - 120
1,4-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2700		ug/Kg		108	77 - 125
Bromodichloromethane	2500	2650		ug/Kg		106	71 - 121
Bromoform	2500	2680		ug/Kg		107	48 - 125
Bromomethane	2500	2350		ug/Kg		94	39 - 149
Carbon disulfide	2500	2650		ug/Kg		106	40 - 136
Carbon tetrachloride	2500	2860		ug/Kg		115	54 - 135
Chlorobenzene	2500	2730		ug/Kg		109	76 - 126
Methyl ethyl ketone (MEK)	12500	11400		ug/Kg		91	54 - 149
Chloroethane	2500	1880		ug/Kg		75	23 - 150
Methyl isobutyl ketone (MIBK)	12500	11100		ug/Kg		89	74 - 120
Chloroform	2500	2610		ug/Kg		104	78 - 120
Chloromethane	2500	2530		ug/Kg		101	61 - 124
cis-1,2-Dichloroethene	2500	2720		ug/Kg		109	79 - 124
cis-1,3-Dichloropropene	2500	2730		ug/Kg		109	75 - 121
Cyclohexane	2500	2800		ug/Kg		112	49 - 129
Dibromochloromethane	2500	2710		ug/Kg		108	64 - 120
Dichlorodifluoromethane	2500	2680		ug/Kg		107	10 - 150
Ethylbenzene	2500	2700		ug/Kg		108	78 - 124
Isopropylbenzene	2500	2680		ug/Kg		107	76 - 120
Methyl acetate	5000	4670		ug/Kg		93	71 - 123
Methyl tert-butyl ether	2500	2510		ug/Kg		100	67 - 137
Methylcyclohexane	2500	3000		ug/Kg		120	50 - 130

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

Lab Sample ID: LCS 480-550876/1-A
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	3010	*	ug/Kg		120	75 - 118
Styrene	2500	2740		ug/Kg		110	80 - 120
Tetrachloroethene	2500	2810		ug/Kg		113	73 - 133
Toluene	2500	2670		ug/Kg		107	75 - 124
trans-1,2-Dichloroethene	2500	2760		ug/Kg		111	74 - 129
trans-1,3-Dichloropropene	2500	2610		ug/Kg		105	73 - 120
Trichloroethene	2500	2780		ug/Kg		111	75 - 131
Trichlorofluoromethane	2500	2550		ug/Kg		102	29 - 158
Vinyl chloride	2500	2750		ug/Kg		110	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Lab Sample ID: 480-175437-7 MS
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: D-13 (20.5)
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2760	3240		ug/Kg	☼	118	64 - 142
1,1,2,2-Tetrachloroethane	ND		2760	2680		ug/Kg	☼	97	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2760	3460		ug/Kg	☼	126	64 - 154
1,1,2-Trichloroethane	ND		2760	2710		ug/Kg	☼	98	63 - 133
1,1-Dichloroethane	ND		2760	3040		ug/Kg	☼	110	64 - 135
1,1-Dichloroethene	ND		2760	3110		ug/Kg	☼	113	62 - 145
1,2,4-Trichlorobenzene	ND		2760	2790		ug/Kg	☼	101	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2760	2170		ug/Kg	☼	79	40 - 122
1,2-Dibromoethane	ND		2760	2870		ug/Kg	☼	104	65 - 133
1,2-Dichlorobenzene	ND		2760	2990		ug/Kg	☼	108	68 - 133
1,2-Dichloroethane	ND		2760	2950		ug/Kg	☼	107	62 - 135
1,2-Dichloropropane	ND		2760	2890		ug/Kg	☼	105	67 - 139
1,3-Dichlorobenzene	ND		2760	2970		ug/Kg	☼	108	68 - 136
1,4-Dichlorobenzene	ND		2760	2930		ug/Kg	☼	106	69 - 136
2-Hexanone	ND		13800	12800		ug/Kg	☼	93	44 - 130
Acetone	ND		13800	13400		ug/Kg	☼	97	32 - 136
Benzene	ND		2760	3010		ug/Kg	☼	109	68 - 137
Bromodichloromethane	ND		2760	2860		ug/Kg	☼	104	62 - 136
Bromoform	ND		2760	2540		ug/Kg	☼	92	43 - 134
Bromomethane	ND		2760	2710		ug/Kg	☼	98	38 - 137
Carbon disulfide	ND		2760	2930		ug/Kg	☼	106	52 - 139
Carbon tetrachloride	ND		2760	3150		ug/Kg	☼	114	60 - 150
Chlorobenzene	ND		2760	3030		ug/Kg	☼	110	67 - 136
Methyl ethyl ketone (MEK)	ND		13800	12600		ug/Kg	☼	92	46 - 132
Chloroethane	ND		2760	2750		ug/Kg	☼	100	34 - 140
Methyl isobutyl ketone (MIBK)	ND		13800	12700		ug/Kg	☼	92	49 - 125
Chloroform	ND		2760	3040		ug/Kg	☼	110	64 - 133

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

Lab Sample ID: 480-175437-7 MS
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: D-13 (20.5)
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2760	2440		ug/Kg	☼	88	47 - 143
cis-1,2-Dichloroethene	ND		2760	3510		ug/Kg	☼	113	65 - 137
cis-1,3-Dichloropropene	ND		2760	2750		ug/Kg	☼	100	61 - 148
Cyclohexane	ND		2760	3140		ug/Kg	☼	114	63 - 149
Dibromochloromethane	ND		2760	2690		ug/Kg	☼	97	57 - 137
Dichlorodifluoromethane	ND		2760	2830		ug/Kg	☼	103	26 - 150
Ethylbenzene	ND		2760	3040		ug/Kg	☼	110	67 - 136
Isopropylbenzene	ND		2760	2910		ug/Kg	☼	105	65 - 147
Methyl acetate	ND		5520	5390		ug/Kg	☼	98	50 - 124
Methyl tert-butyl ether	ND		2760	3070		ug/Kg	☼	111	60 - 130
Methylcyclohexane	ND		2760	3250		ug/Kg	☼	118	67 - 150
Methylene Chloride	ND	*	2760	3230		ug/Kg	☼	117	63 - 138
Styrene	ND		2760	2910		ug/Kg	☼	105	68 - 137
Tetrachloroethene	ND		2760	3200		ug/Kg	☼	116	67 - 150
Toluene	ND		2760	3000		ug/Kg	☼	109	68 - 137
trans-1,2-Dichloroethene	ND		2760	3220		ug/Kg	☼	117	65 - 138
trans-1,3-Dichloropropene	ND		2760	2590		ug/Kg	☼	94	58 - 143
Trichloroethene	27000		2760	27100	4	ug/Kg	☼	16	69 - 143
Trichlorofluoromethane	ND		2760	2900		ug/Kg	☼	105	35 - 150
Vinyl chloride	ND		2760	2680		ug/Kg	☼	97	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*
Dibromofluoromethane (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*106*		*50 - 149*

Lab Sample ID: 480-175437-7 MSD
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: D-13 (20.5)
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2740	3070		ug/Kg	☼	112	64 - 142	6	20
1,1,2,2-Tetrachloroethane	ND		2740	2680		ug/Kg	☼	98	56 - 128	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2740	3330		ug/Kg	☼	121	64 - 154	4	20
1,1,2-Trichloroethane	ND		2740	2650		ug/Kg	☼	96	63 - 133	2	20
1,1-Dichloroethane	ND		2740	2960		ug/Kg	☼	108	64 - 135	2	20
1,1-Dichloroethene	ND		2740	3100		ug/Kg	☼	113	62 - 145	0	20
1,2,4-Trichlorobenzene	ND		2740	2790		ug/Kg	☼	102	56 - 145	0	20
1,2-Dibromo-3-Chloropropane	ND		2740	2070		ug/Kg	☼	75	40 - 122	5	20
1,2-Dibromoethane	ND		2740	2820		ug/Kg	☼	103	65 - 133	2	20
1,2-Dichlorobenzene	ND		2740	2860		ug/Kg	☼	104	68 - 133	4	20
1,2-Dichloroethane	ND		2740	2800		ug/Kg	☼	102	62 - 135	5	20
1,2-Dichloropropane	ND		2740	2880		ug/Kg	☼	105	67 - 139	0	20
1,3-Dichlorobenzene	ND		2740	2980		ug/Kg	☼	109	68 - 136	0	20
1,4-Dichlorobenzene	ND		2740	2810		ug/Kg	☼	103	69 - 136	4	20
2-Hexanone	ND		13700	13100		ug/Kg	☼	95	44 - 130	2	20
Acetone	ND		13700	13400		ug/Kg	☼	97	32 - 136	0	20

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

Lab Sample ID: 480-175437-7 MSD
Matrix: Solid
Analysis Batch: 551207

Client Sample ID: D-13 (20.5)
Prep Type: Total/NA
Prep Batch: 550876

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		2740	2900		ug/Kg	☼	106	68 - 137	4	20
Bromodichloromethane	ND		2740	2740		ug/Kg	☼	100	62 - 136	4	20
Bromoform	ND		2740	2560		ug/Kg	☼	93	43 - 134	0	20
Bromomethane	ND		2740	2750		ug/Kg	☼	100	38 - 137	1	20
Carbon disulfide	ND		2740	2800		ug/Kg	☼	102	52 - 139	5	20
Carbon tetrachloride	ND		2740	3080		ug/Kg	☼	112	60 - 150	2	20
Chlorobenzene	ND		2740	2880		ug/Kg	☼	105	67 - 136	5	20
Methyl ethyl ketone (MEK)	ND		13700	12900		ug/Kg	☼	94	46 - 132	2	20
Chloroethane	ND		2740	2530		ug/Kg	☼	92	34 - 140	8	20
Methyl isobutyl ketone (MIBK)	ND		13700	12700		ug/Kg	☼	92	49 - 125	0	20
Chloroform	ND		2740	2960		ug/Kg	☼	108	64 - 133	2	20
Chloromethane	ND		2740	2720		ug/Kg	☼	99	47 - 143	11	20
cis-1,2-Dichloroethene	ND		2740	3370		ug/Kg	☼	109	65 - 137	4	20
cis-1,3-Dichloropropene	ND		2740	2780		ug/Kg	☼	101	61 - 148	1	20
Cyclohexane	ND		2740	2970		ug/Kg	☼	108	63 - 149	5	20
Dibromochloromethane	ND		2740	2650		ug/Kg	☼	97	57 - 137	1	20
Dichlorodifluoromethane	ND		2740	2710		ug/Kg	☼	99	26 - 150	4	20
Ethylbenzene	ND		2740	2860		ug/Kg	☼	104	67 - 136	6	20
Isopropylbenzene	ND		2740	2780		ug/Kg	☼	101	65 - 147	5	20
Methyl acetate	ND		5490	5400		ug/Kg	☼	98	50 - 124	0	20
Methyl tert-butyl ether	ND		2740	3070		ug/Kg	☼	112	60 - 130	0	20
Methylcyclohexane	ND		2740	3060		ug/Kg	☼	112	67 - 150	6	20
Methylene Chloride	ND	*	2740	3150		ug/Kg	☼	115	63 - 138	3	20
Styrene	ND		2740	2910		ug/Kg	☼	106	68 - 137	0	20
Tetrachloroethene	ND		2740	3080		ug/Kg	☼	112	67 - 150	4	20
Toluene	ND		2740	2910		ug/Kg	☼	106	68 - 137	3	20
trans-1,2-Dichloroethene	ND		2740	3140		ug/Kg	☼	115	65 - 138	2	20
trans-1,3-Dichloropropene	ND		2740	2630		ug/Kg	☼	96	58 - 143	2	20
Trichloroethene	27000		2740	26100	4	ug/Kg	☼	-19	69 - 143	4	20
Trichlorofluoromethane	ND		2740	2910		ug/Kg	☼	106	35 - 150	0	20
Vinyl chloride	ND		2740	2730		ug/Kg	☼	99	56 - 150	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Lab Sample ID: MB 480-550908/2-A
Matrix: Solid
Analysis Batch: 551767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,1-Dichloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1

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

Lab Sample ID: MB 480-550908/2-A
Matrix: Solid
Analysis Batch: 551767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550908

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2-Dibromoethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2-Dichloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,2-Dichloropropane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
2-Hexanone	ND		500		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Acetone	ND		500		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Benzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Bromodichloromethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Bromoform	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Bromomethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Carbon disulfide	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Carbon tetrachloride	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Chlorobenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Chloroethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Chloroform	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Chloromethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Cyclohexane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Dibromochloromethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Ethylbenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Isopropylbenzene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methyl acetate	ND		500		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methylcyclohexane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Methylene Chloride	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Styrene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Tetrachloroethene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Toluene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Trichloroethene	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Trichlorofluoromethane	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Vinyl chloride	ND		100		ug/Kg		09/23/20 15:46	09/30/20 13:42	1
Xylenes, Total	ND		200		ug/Kg		09/23/20 15:46	09/30/20 13:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*09/23/20 15:46*	*09/30/20 13:42*	*1*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*09/23/20 15:46*	*09/30/20 13:42*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*09/23/20 15:46*	*09/30/20 13:42*	*1*

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

Lab Sample ID: MB 480-550908/2-A
Matrix: Solid
Analysis Batch: 551767

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 550908

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	09/23/20 15:46	09/30/20 13:42	1

Lab Sample ID: LCS 480-550908/1-A
Matrix: Solid
Analysis Batch: 551767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550908

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2310		ug/Kg		93	68 - 130
1,1,2,2-Tetrachloroethane	2500	2140		ug/Kg		85	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2660		ug/Kg		106	10 - 179
1,1,2-Trichloroethane	2500	2340		ug/Kg		94	80 - 120
1,1-Dichloroethane	2500	2320		ug/Kg		93	78 - 121
1,1-Dichloroethene	2500	2440		ug/Kg		98	48 - 133
1,2,4-Trichlorobenzene	2500	2430		ug/Kg		97	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2230		ug/Kg		89	56 - 122
1,2-Dibromoethane	2500	2310		ug/Kg		92	80 - 120
1,2-Dichlorobenzene	2500	2340		ug/Kg		94	78 - 125
1,2-Dichloroethane	2500	2250		ug/Kg		90	74 - 127
1,2-Dichloropropane	2500	2290		ug/Kg		92	80 - 120
1,3-Dichlorobenzene	2500	2370		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2420		ug/Kg		97	80 - 120
2-Hexanone	12500	11500		ug/Kg		92	59 - 127
Acetone	12500	9410		ug/Kg		75	47 - 141
Benzene	2500	2300		ug/Kg		92	77 - 125
Bromodichloromethane	2500	2270		ug/Kg		91	71 - 121
Bromoform	2500	2350		ug/Kg		94	48 - 125
Bromomethane	2500	1990		ug/Kg		80	39 - 149
Carbon disulfide	2500	2080		ug/Kg		83	40 - 136
Carbon tetrachloride	2500	2410		ug/Kg		96	54 - 135
Chlorobenzene	2500	2360		ug/Kg		94	76 - 126
Methyl ethyl ketone (MEK)	12500	22200	*	ug/Kg		178	54 - 149
Chloroethane	2500	2000		ug/Kg		80	23 - 150
Methyl isobutyl ketone (MIBK)	12500	11200		ug/Kg		90	74 - 120
Chloroform	2500	2220		ug/Kg		89	78 - 120
Chloromethane	2500	1930		ug/Kg		77	61 - 124
cis-1,2-Dichloroethene	2500	2310		ug/Kg		92	79 - 124
cis-1,3-Dichloropropene	2500	2420		ug/Kg		97	75 - 121
Cyclohexane	2500	2520		ug/Kg		101	49 - 129
Dibromochloromethane	2500	2410		ug/Kg		96	64 - 120
Dichlorodifluoromethane	2500	2230		ug/Kg		89	10 - 150
Ethylbenzene	2500	2410		ug/Kg		97	78 - 124
Isopropylbenzene	2500	2540		ug/Kg		102	76 - 120
Methyl acetate	5000	4240		ug/Kg		85	71 - 123
Methyl tert-butyl ether	2500	2120		ug/Kg		85	67 - 137
Methylcyclohexane	2500	2720		ug/Kg		109	50 - 130
Methylene Chloride	2500	2170		ug/Kg		87	75 - 118
Styrene	2500	2450		ug/Kg		98	80 - 120
Tetrachloroethene	2500	2480		ug/Kg		99	73 - 133

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

Lab Sample ID: LCS 480-550908/1-A
Matrix: Solid
Analysis Batch: 551767

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 550908

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Toluene			2500	2360		ug/Kg		95	75 - 124		
trans-1,2-Dichloroethene			2500	2340		ug/Kg		93	74 - 129		
trans-1,3-Dichloropropene			2500	2430		ug/Kg		97	73 - 120		
Trichloroethene			2500	2370		ug/Kg		95	75 - 131		
Trichlorofluoromethane			2500	2550		ug/Kg		102	29 - 158		
Vinyl chloride			2500	2200		ug/Kg		88	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-175493-8 MS
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: D-16 (23.5-24)
Prep Type: Total/NA
Prep Batch: 550908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		2760	3270		ug/Kg	☼	119	64 - 142		
1,1,2,2-Tetrachloroethane	ND		2760	2810		ug/Kg	☼	102	56 - 128		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2760	3850		ug/Kg	☼	139	64 - 154		
1,1,2-Trichloroethane	ND		2760	2930		ug/Kg	☼	106	63 - 133		
1,1-Dichloroethane	ND		2760	3350		ug/Kg	☼	121	64 - 135		
1,1-Dichloroethene	ND		2760	3650		ug/Kg	☼	132	62 - 145		
1,2,4-Trichlorobenzene	ND		2760	3040		ug/Kg	☼	110	56 - 145		
1,2-Dibromo-3-Chloropropane	ND		2760	2060		ug/Kg	☼	75	40 - 122		
1,2-Dibromoethane	ND		2760	3130		ug/Kg	☼	113	65 - 133		
1,2-Dichlorobenzene	ND		2760	3270		ug/Kg	☼	119	68 - 133		
1,2-Dichloroethane	470		2760	3300		ug/Kg	☼	103	62 - 135		
1,2-Dichloropropane	ND		2760	3080		ug/Kg	☼	112	67 - 139		
1,3-Dichlorobenzene	ND		2760	3300		ug/Kg	☼	120	68 - 136		
1,4-Dichlorobenzene	ND		2760	3210		ug/Kg	☼	116	69 - 136		
Methyl ethyl ketone (MEK)	ND	*	13800	12400		ug/Kg	☼	90	46 - 132		
2-Hexanone	ND		13800	12500		ug/Kg	☼	91	44 - 130		
Methyl isobutyl ketone (MIBK)	ND		13800	12800		ug/Kg	☼	93	49 - 125		
Acetone	ND		13800	13000		ug/Kg	☼	94	32 - 136		
Benzene	ND		2760	3330		ug/Kg	☼	121	68 - 137		
Bromodichloromethane	ND		2760	2930		ug/Kg	☼	106	62 - 136		
Bromoform	ND		2760	2760		ug/Kg	☼	100	43 - 134		
Bromomethane	ND		2760	2840		ug/Kg	☼	103	38 - 137		
Carbon disulfide	ND		2760	3490		ug/Kg	☼	127	52 - 139		
Carbon tetrachloride	ND		2760	3420		ug/Kg	☼	124	60 - 150		
Chlorobenzene	ND		2760	3370		ug/Kg	☼	122	67 - 136		
Chloroethane	ND		2760	2640		ug/Kg	☼	96	34 - 140		
Chloroform	ND		2760	3230		ug/Kg	☼	117	64 - 133		
Chloromethane	ND		2760	3050		ug/Kg	☼	111	47 - 143		
cis-1,2-Dichloroethene	28000		2760	25300	4	ug/Kg	☼	-96	65 - 137		
cis-1,3-Dichloropropene	ND		2760	2890		ug/Kg	☼	105	61 - 148		

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

Lab Sample ID: 480-175493-8 MS
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: D-16 (23.5-24)
Prep Type: Total/NA
Prep Batch: 550908

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	740		2760	4260		ug/Kg	☼	128	63 - 149
Dibromochloromethane	ND		2760	2910		ug/Kg	☼	106	57 - 137
Dichlorodifluoromethane	ND		2760	3260		ug/Kg	☼	118	26 - 150
Ethylbenzene	880		2760	4110		ug/Kg	☼	117	67 - 136
Isopropylbenzene	ND		2760	3500		ug/Kg	☼	123	65 - 147
Methyl acetate	ND		5520	6400		ug/Kg	☼	116	50 - 124
Methyl tert-butyl ether	ND		2760	3220		ug/Kg	☼	117	60 - 130
Methylcyclohexane	2200		2760	5530		ug/Kg	☼	120	67 - 150
Methylene Chloride	ND		2760	3350		ug/Kg	☼	121	63 - 138
Styrene	ND		2760	3250		ug/Kg	☼	118	68 - 137
Tetrachloroethene	ND		2760	3590		ug/Kg	☼	130	67 - 150
Toluene	ND		2760	3690		ug/Kg	☼	122	68 - 137
trans-1,2-Dichloroethene	ND	F1	2760	3880	F1	ug/Kg	☼	141	65 - 138
trans-1,3-Dichloropropene	ND		2760	2940		ug/Kg	☼	106	58 - 143
Trichloroethene	29000		2760	29400	4	ug/Kg	☼	-1	69 - 143
Trichlorofluoromethane	ND		2760	3360		ug/Kg	☼	122	35 - 150
Vinyl chloride	ND		2760	3340		ug/Kg	☼	121	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*
Dibromofluoromethane (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*108*		*50 - 149*

Lab Sample ID: 480-175493-8 MSD
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: D-16 (23.5-24)
Prep Type: Total/NA
Prep Batch: 550908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2750	3440		ug/Kg	☼	125	64 - 142	5	20
1,1,2,2-Tetrachloroethane	ND		2750	2920		ug/Kg	☼	106	56 - 128	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2750	4070		ug/Kg	☼	148	64 - 154	6	20
1,1,2-Trichloroethane	ND		2750	3200		ug/Kg	☼	116	63 - 133	9	20
1,1-Dichloroethane	ND		2750	3320		ug/Kg	☼	121	64 - 135	1	20
1,1-Dichloroethene	ND		2750	3800		ug/Kg	☼	138	62 - 145	4	20
1,2,4-Trichlorobenzene	ND		2750	3340		ug/Kg	☼	121	56 - 145	9	20
1,2-Dibromo-3-Chloropropane	ND		2750	2030		ug/Kg	☼	74	40 - 122	2	20
1,2-Dibromoethane	ND		2750	3010		ug/Kg	☼	109	65 - 133	4	20
1,2-Dichlorobenzene	ND		2750	3240		ug/Kg	☼	118	68 - 133	1	20
1,2-Dichloroethane	470		2750	3270		ug/Kg	☼	102	62 - 135	1	20
1,2-Dichloropropane	ND		2750	3190		ug/Kg	☼	116	67 - 139	4	20
1,3-Dichlorobenzene	ND		2750	3340		ug/Kg	☼	121	68 - 136	1	20
1,4-Dichlorobenzene	ND		2750	3260		ug/Kg	☼	118	69 - 136	2	20
Methyl ethyl ketone (MEK)	ND	*	13800	12400		ug/Kg	☼	90	46 - 132	0	20
2-Hexanone	ND		13800	12700		ug/Kg	☼	92	44 - 130	1	20
Methyl isobutyl ketone (MIBK)	ND		13800	12600		ug/Kg	☼	92	49 - 125	1	20
Acetone	ND		13800	12300		ug/Kg	☼	90	32 - 136	5	20
Benzene	ND		2750	3400		ug/Kg	☼	123	68 - 137	2	20

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

Lab Sample ID: 480-175493-8 MSD
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: D-16 (23.5-24)
Prep Type: Total/NA
Prep Batch: 550908

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		2750	2980		ug/Kg	☼	108	62 - 136	2	20
Bromoform	ND		2750	2560		ug/Kg	☼	93	43 - 134	8	20
Bromomethane	ND		2750	2940		ug/Kg	☼	107	38 - 137	4	20
Carbon disulfide	ND		2750	3590		ug/Kg	☼	130	52 - 139	3	20
Carbon tetrachloride	ND		2750	3350		ug/Kg	☼	122	60 - 150	2	20
Chlorobenzene	ND		2750	3370		ug/Kg	☼	122	67 - 136	0	20
Chloroethane	ND		2750	2690		ug/Kg	☼	98	34 - 140	2	20
Chloroform	ND		2750	3360		ug/Kg	☼	122	64 - 133	4	20
Chloromethane	ND		2750	3090		ug/Kg	☼	112	47 - 143	1	20
cis-1,2-Dichloroethene	28000		2750	26000	4	ug/Kg	☼	-72	65 - 137	3	20
cis-1,3-Dichloropropene	ND		2750	2890		ug/Kg	☼	105	61 - 148	0	20
Cyclohexane	740		2750	4460		ug/Kg	☼	135	63 - 149	5	20
Dibromochloromethane	ND		2750	2660		ug/Kg	☼	97	57 - 137	9	20
Dichlorodifluoromethane	ND		2750	3320		ug/Kg	☼	121	26 - 150	2	20
Ethylbenzene	880		2750	4170		ug/Kg	☼	120	67 - 136	2	20
Isopropylbenzene	ND		2750	3560		ug/Kg	☼	126	65 - 147	2	20
Methyl acetate	ND		5510	6190		ug/Kg	☼	112	50 - 124	3	20
Methyl tert-butyl ether	ND		2750	3190		ug/Kg	☼	116	60 - 130	1	20
Methylcyclohexane	2200		2750	5680		ug/Kg	☼	125	67 - 150	3	20
Methylene Chloride	ND		2750	3610		ug/Kg	☼	131	63 - 138	7	20
Styrene	ND		2750	3390		ug/Kg	☼	123	68 - 137	4	20
Tetrachloroethene	ND		2750	3620		ug/Kg	☼	132	67 - 150	1	20
Toluene	ND		2750	3710		ug/Kg	☼	123	68 - 137	0	20
trans-1,2-Dichloroethene	ND	F1	2750	3730		ug/Kg	☼	135	65 - 138	4	20
trans-1,3-Dichloropropene	ND		2750	2890		ug/Kg	☼	105	58 - 143	2	20
Trichloroethene	29000		2750	29700	4	ug/Kg	☼	10	69 - 143	1	20
Trichlorofluoromethane	ND		2750	3430		ug/Kg	☼	124	35 - 150	2	20
Vinyl chloride	ND		2750	3440		ug/Kg	☼	125	56 - 150	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*
Dibromofluoromethane (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*107*		*50 - 149*

Lab Sample ID: MB 480-551324/2-A
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,1,2-Trichloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,1-Dichloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,1-Dichloroethene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1

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

Lab Sample ID: MB 480-551324/2-A
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 551324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,2-Dichlorobenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,2-Dichloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,2-Dichloropropane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,3-Dichlorobenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
1,4-Dichlorobenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
2-Hexanone	ND		500		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Acetone	ND		500		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Benzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Bromodichloromethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Bromoform	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Bromomethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Carbon disulfide	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Carbon tetrachloride	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Chlorobenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Chloroethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Chloroform	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Chloromethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Cyclohexane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Dibromochloromethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Dichlorodifluoromethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Ethylbenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Isopropylbenzene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methyl acetate	ND		500		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methyl tert-butyl ether	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methylcyclohexane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Methylene Chloride	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Styrene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Tetrachloroethene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Toluene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Trichloroethene	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Trichlorofluoromethane	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Vinyl chloride	ND		100		ug/Kg		09/25/20 18:01	09/30/20 11:40	1
Xylenes, Total	ND		200		ug/Kg		09/25/20 18:01	09/30/20 11:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*09/25/20 18:01*	*09/30/20 11:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*09/25/20 18:01*	*09/30/20 11:40*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/25/20 18:01*	*09/30/20 11:40*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*09/25/20 18:01*	*09/30/20 11:40*	*1*

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

Lab Sample ID: LCS 480-551324/1-A
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2970		ug/Kg		119	68 - 130
1,1,2,2-Tetrachloroethane	2500	2390		ug/Kg		96	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3090		ug/Kg		123	10 - 179
1,1,2-Trichloroethane	2500	2480		ug/Kg		99	80 - 120
1,1-Dichloroethane	2500	2610		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2840		ug/Kg		114	48 - 133
1,2,4-Trichlorobenzene	2500	2620		ug/Kg		105	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1860		ug/Kg		74	56 - 122
1,2-Dibromoethane	2500	2470		ug/Kg		99	80 - 120
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2610		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2650		ug/Kg		106	80 - 120
1,3-Dichlorobenzene	2500	2610		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2640		ug/Kg		105	80 - 120
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Acetone	12500	10200		ug/Kg		82	47 - 141
Benzene	2500	2630		ug/Kg		105	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2350		ug/Kg		94	48 - 125
Bromomethane	2500	2500		ug/Kg		100	39 - 149
Carbon disulfide	2500	2710		ug/Kg		109	40 - 136
Carbon tetrachloride	2500	3120		ug/Kg		125	54 - 135
Chlorobenzene	2500	2800		ug/Kg		112	76 - 126
Methyl ethyl ketone (MEK)	12500	10600		ug/Kg		85	54 - 149
Chloroethane	2500	2300		ug/Kg		92	23 - 150
Methyl isobutyl ketone (MIBK)	12500	10900		ug/Kg		87	74 - 120
Chloroform	2500	2600		ug/Kg		104	78 - 120
Chloromethane	2500	1920		ug/Kg		77	61 - 124
cis-1,2-Dichloroethene	2500	2730		ug/Kg		109	79 - 124
cis-1,3-Dichloropropene	2500	2560		ug/Kg		102	75 - 121
Cyclohexane	2500	2840		ug/Kg		114	49 - 129
Dibromochloromethane	2500	2400		ug/Kg		96	64 - 120
Dichlorodifluoromethane	2500	3250		ug/Kg		130	10 - 150
Ethylbenzene	2500	2770		ug/Kg		111	78 - 124
Isopropylbenzene	2500	2670		ug/Kg		107	76 - 120
Methyl acetate	5000	4570		ug/Kg		91	71 - 123
Methyl tert-butyl ether	2500	2580		ug/Kg		103	67 - 137
Methylcyclohexane	2500	3230		ug/Kg		129	50 - 130
Methylene Chloride	2500	2930		ug/Kg		117	75 - 118
Styrene	2500	2640		ug/Kg		106	80 - 120
Tetrachloroethene	2500	2840		ug/Kg		113	73 - 133
Toluene	2500	2580		ug/Kg		103	75 - 124
trans-1,2-Dichloroethene	2500	2870		ug/Kg		115	74 - 129
trans-1,3-Dichloropropene	2500	2480		ug/Kg		99	73 - 120
Trichloroethene	2500	2780		ug/Kg		111	75 - 131
Trichlorofluoromethane	2500	2620		ug/Kg		105	29 - 158
Vinyl chloride	2500	2030		ug/Kg		81	59 - 124

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

Lab Sample ID: LCS 480-551324/1-A
Matrix: Solid
Analysis Batch: 551758

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 551324

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*99*		*50 - 149*

Lab Sample ID: MB 480-551528/7
Matrix: Water
Analysis Batch: 551528

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			09/28/20 21:52	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			09/28/20 21:52	1
1,1,2-Trichloroethane	ND		5.0		ug/L			09/28/20 21:52	1
1,1-Dichloroethane	ND		5.0		ug/L			09/28/20 21:52	1
1,1-Dichloroethene	ND		5.0		ug/L			09/28/20 21:52	1
1,2-Dichloroethane	ND		5.0		ug/L			09/28/20 21:52	1
1,2-Dichloropropane	ND		5.0		ug/L			09/28/20 21:52	1
2-Hexanone	ND		10		ug/L			09/28/20 21:52	1
Acetone	ND		10		ug/L			09/28/20 21:52	1
Benzene	ND		5.0		ug/L			09/28/20 21:52	1
Bromodichloromethane	ND		5.0		ug/L			09/28/20 21:52	1
Bromoform	ND		5.0		ug/L			09/28/20 21:52	1
Bromomethane	ND		5.0		ug/L			09/28/20 21:52	1
Carbon disulfide	ND		5.0		ug/L			09/28/20 21:52	1
Carbon tetrachloride	ND		5.0		ug/L			09/28/20 21:52	1
Chlorobenzene	ND		5.0		ug/L			09/28/20 21:52	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			09/28/20 21:52	1
Chloroethane	ND		5.0		ug/L			09/28/20 21:52	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			09/28/20 21:52	1
Chloroform	ND		5.0		ug/L			09/28/20 21:52	1
Chloromethane	ND		5.0		ug/L			09/28/20 21:52	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 21:52	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 21:52	1
Dibromochloromethane	ND		5.0		ug/L			09/28/20 21:52	1
Dichlorodifluoromethane	ND		5.0		ug/L			09/28/20 21:52	1
Ethylbenzene	ND		5.0		ug/L			09/28/20 21:52	1
Vinyl acetate	ND		5.0		ug/L			09/28/20 21:52	1
Methylene Chloride	ND		5.0		ug/L			09/28/20 21:52	1
Styrene	ND		5.0		ug/L			09/28/20 21:52	1
Tetrachloroethene	ND		5.0		ug/L			09/28/20 21:52	1
Toluene	ND		5.0		ug/L			09/28/20 21:52	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			09/28/20 21:52	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			09/28/20 21:52	1
Trichloroethene	ND		5.0		ug/L			09/28/20 21:52	1
Trichlorofluoromethane	ND		5.0		ug/L			09/28/20 21:52	1
Vinyl chloride	ND		5.0		ug/L			09/28/20 21:52	1
Xylenes, Total	ND		5.0		ug/L			09/28/20 21:52	1

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

Lab Sample ID: MB 480-551528/7
Matrix: Water
Analysis Batch: 551528

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		09/28/20 21:52	1
4-Bromofluorobenzene (Surr)	98		73 - 120		09/28/20 21:52	1
Dibromofluoromethane (Surr)	100		75 - 123		09/28/20 21:52	1
Toluene-d8 (Surr)	102		80 - 120		09/28/20 21:52	1

Lab Sample ID: LCS 480-551528/5
Matrix: Water
Analysis Batch: 551528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.6		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	76 - 120
1,1,2-Trichloroethane	25.0	25.5		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
1,2-Dichloroethane	25.0	22.4		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	26.6		ug/L		106	76 - 120
2-Hexanone	125	123		ug/L		98	65 - 127
Acetone	125	126		ug/L		100	56 - 142
Benzene	25.0	26.1		ug/L		104	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	27.2		ug/L		109	61 - 132
Bromomethane	25.0	19.1		ug/L		76	55 - 144
Carbon disulfide	25.0	28.3		ug/L		113	59 - 134
Carbon tetrachloride	25.0	25.0		ug/L		100	72 - 134
Chlorobenzene	25.0	25.6		ug/L		103	80 - 120
Methyl ethyl ketone (MEK)	125	130		ug/L		104	57 - 140
Chloroethane	25.0	20.7		ug/L		83	69 - 136
Methyl isobutyl ketone (MIBK)	125	123		ug/L		98	71 - 125
Chloroform	25.0	23.2		ug/L		93	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Dibromochloromethane	25.0	27.4		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	22.7		ug/L		91	59 - 135
Ethylbenzene	25.0	25.6		ug/L		102	77 - 123
Methylene Chloride	25.0	25.4		ug/L		102	75 - 124
Styrene	25.0	25.3		ug/L		101	80 - 120
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	25.7		ug/L		103	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	21.6		ug/L		86	62 - 150
Vinyl chloride	25.0	22.2		ug/L		89	65 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		77 - 120

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

Lab Sample ID: LCS 480-551528/5
Matrix: Water
Analysis Batch: 551528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Lab Sample ID: 480-175493-7 DU
Matrix: Solid
Analysis Batch: 332354

Client Sample ID: D-16 (4-4.5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Matter	4.3			4.4		%				0.6	10
Ash Content	95.7			95.6		%				0	10
Moisture Content	22.5			23.7		%				5	10

GC/MS VOA

Prep Batch: 550876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175437-1	D-11 (30.5)	Total/NA	Solid	5035A_H	
480-175437-2	D-11 (33.5)	Total/NA	Solid	5035A_H	
480-175437-3	D-11 (34.5)	Total/NA	Solid	5035A_H	
480-175437-4	D-12 (26.5)	Total/NA	Solid	5035A_H	
480-175437-5	D-12 (29.5)	Total/NA	Solid	5035A_H	
480-175437-6	D-12 (32.7)	Total/NA	Solid	5035A_H	
480-175437-7	D-13 (20.5)	Total/NA	Solid	5035A_H	
480-175437-8	D-13 (24.5)	Total/NA	Solid	5035A_H	
480-175437-9	D-13 (32.4)	Total/NA	Solid	5035A_H	
MB 480-550876/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-550876/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175437-7 MS	D-13 (20.5)	Total/NA	Solid	5035A_H	
480-175437-7 MSD	D-13 (20.5)	Total/NA	Solid	5035A_H	

Prep Batch: 550908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175493-1	D-14 (1.7-2.2)	Total/NA	Solid	5035A_H	
480-175493-2	D-14 (26.8)	Total/NA	Solid	5035A_H	
480-175493-3	D-14 (33)	Total/NA	Solid	5035A_H	
480-175493-4	D-14 (34.2)	Total/NA	Solid	5035A_H	
480-175493-5	D-15 (32.2-32.4)	Total/NA	Solid	5035A_H	
480-175493-6	D-15 (33.1)	Total/NA	Solid	5035A_H	
480-175493-8	D-16 (23.5-24)	Total/NA	Solid	5035A_H	
480-175493-9	D-16 (27.5)	Total/NA	Solid	5035A_H	
480-175493-11	DUP-04_20200922	Total/NA	Solid	5035A_H	
MB 480-550908/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-550908/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175493-8 MS	D-16 (23.5-24)	Total/NA	Solid	5035A_H	
480-175493-8 MSD	D-16 (23.5-24)	Total/NA	Solid	5035A_H	

Analysis Batch: 551207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175437-1	D-11 (30.5)	Total/NA	Solid	8260C	550876
480-175437-2	D-11 (33.5)	Total/NA	Solid	8260C	550876
480-175437-3	D-11 (34.5)	Total/NA	Solid	8260C	550876
480-175437-4	D-12 (26.5)	Total/NA	Solid	8260C	550876
480-175437-5	D-12 (29.5)	Total/NA	Solid	8260C	550876
480-175437-6	D-12 (32.7)	Total/NA	Solid	8260C	550876
480-175437-7	D-13 (20.5)	Total/NA	Solid	8260C	550876
480-175437-8	D-13 (24.5)	Total/NA	Solid	8260C	550876
480-175437-9	D-13 (32.4)	Total/NA	Solid	8260C	550876
MB 480-550876/2-A	Method Blank	Total/NA	Solid	8260C	550876
LCS 480-550876/1-A	Lab Control Sample	Total/NA	Solid	8260C	550876
480-175437-7 MS	D-13 (20.5)	Total/NA	Solid	8260C	550876
480-175437-7 MSD	D-13 (20.5)	Total/NA	Solid	8260C	550876

Prep Batch: 551324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175569-1	D-17 (23.5)	Total/NA	Solid	5035A_H	
480-175569-2	D-17 (34.5)	Total/NA	Solid	5035A_H	
480-175569-3	D-18 (14)	Total/NA	Solid	5035A_H	

GC/MS VOA (Continued)

Prep Batch: 551324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175569-4	D-18 (12.1)	Total/NA	Solid	5035A_H	
MB 480-551324/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-551324/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 551528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175493-12	TRIP BLANK	Total/NA	Water	8260C	
480-175493-13	FB-01_20200922	Total/NA	Water	8260C	
480-175569-5	TRIP BLANK-20200923	Total/NA	Water	8260C	
480-175569-6	FB-02-20200923	Total/NA	Water	8260C	
MB 480-551528/7	Method Blank	Total/NA	Water	8260C	
LCS 480-551528/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 551758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175493-1	D-14 (1.7-2.2)	Total/NA	Solid	8260C	550908
480-175493-2	D-14 (26.8)	Total/NA	Solid	8260C	550908
480-175493-3	D-14 (33)	Total/NA	Solid	8260C	550908
480-175493-4	D-14 (34.2)	Total/NA	Solid	8260C	550908
480-175493-5	D-15 (32.2-32.4)	Total/NA	Solid	8260C	550908
480-175493-6	D-15 (33.1)	Total/NA	Solid	8260C	550908
480-175493-8	D-16 (23.5-24)	Total/NA	Solid	8260C	550908
480-175493-9	D-16 (27.5)	Total/NA	Solid	8260C	550908
480-175493-11	DUP-04_20200922	Total/NA	Solid	8260C	550908
480-175569-1	D-17 (23.5)	Total/NA	Solid	8260C	551324
480-175569-2	D-17 (34.5)	Total/NA	Solid	8260C	551324
480-175569-3	D-18 (14)	Total/NA	Solid	8260C	551324
480-175569-4	D-18 (12.1)	Total/NA	Solid	8260C	551324
MB 480-551324/2-A	Method Blank	Total/NA	Solid	8260C	551324
LCS 480-551324/1-A	Lab Control Sample	Total/NA	Solid	8260C	551324
480-175493-8 MS	D-16 (23.5-24)	Total/NA	Solid	8260C	550908
480-175493-8 MSD	D-16 (23.5-24)	Total/NA	Solid	8260C	550908

Analysis Batch: 551767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-550908/2-A	Method Blank	Total/NA	Solid	8260C	550908
LCS 480-550908/1-A	Lab Control Sample	Total/NA	Solid	8260C	550908

General Chemistry

Analysis Batch: 550843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175437-1	D-11 (30.5)	Total/NA	Solid	Moisture	
480-175437-2	D-11 (33.5)	Total/NA	Solid	Moisture	
480-175437-3	D-11 (34.5)	Total/NA	Solid	Moisture	
480-175437-4	D-12 (26.5)	Total/NA	Solid	Moisture	
480-175437-5	D-12 (29.5)	Total/NA	Solid	Moisture	
480-175437-6	D-12 (32.7)	Total/NA	Solid	Moisture	
480-175437-7	D-13 (20.5)	Total/NA	Solid	Moisture	
480-175437-8	D-13 (24.5)	Total/NA	Solid	Moisture	
480-175437-9	D-13 (32.4)	Total/NA	Solid	Moisture	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

General Chemistry

Analysis Batch: 551057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175493-1	D-14 (1.7-2.2)	Total/NA	Solid	Moisture	
480-175493-2	D-14 (26.8)	Total/NA	Solid	Moisture	
480-175493-3	D-14 (33)	Total/NA	Solid	Moisture	
480-175493-4	D-14 (34.2)	Total/NA	Solid	Moisture	
480-175493-5	D-15 (32.2-32.4)	Total/NA	Solid	Moisture	
480-175493-6	D-15 (33.1)	Total/NA	Solid	Moisture	
480-175493-8	D-16 (23.5-24)	Total/NA	Solid	Moisture	
480-175493-9	D-16 (27.5)	Total/NA	Solid	Moisture	
480-175493-11	DUP-04_20200922	Total/NA	Solid	Moisture	
480-175493-8 MS	D-16 (23.5-24)	Total/NA	Solid	Moisture	
480-175493-8 MSD	D-16 (23.5-24)	Total/NA	Solid	Moisture	

Analysis Batch: 551274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175569-1	D-17 (23.5)	Total/NA	Solid	Moisture	
480-175569-2	D-17 (34.5)	Total/NA	Solid	Moisture	
480-175569-3	D-18 (14)	Total/NA	Solid	Moisture	
480-175569-4	D-18 (12.1)	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 332354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175493-7	D-16 (4-4.5)	Total/NA	Solid	ASTM D2974	
480-175493-7 DU	D-16 (4-4.5)	Total/NA	Solid	ASTM D2974	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-11 (30.5)
Date Collected: 09/21/20 10:35
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-11 (30.5)
Date Collected: 09/21/20 10:35
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-1
Matrix: Solid
Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		4	551207	09/25/20 17:30	AMM	TAL BUF

Client Sample ID: D-11 (33.5)
Date Collected: 09/21/20 10:40
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-11 (33.5)
Date Collected: 09/21/20 10:40
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-2
Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		2	551207	09/25/20 17:53	AMM	TAL BUF

Client Sample ID: D-11 (34.5)
Date Collected: 09/21/20 10:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-11 (34.5)
Date Collected: 09/21/20 10:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-3
Matrix: Solid
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		10	551207	09/25/20 18:16	AMM	TAL BUF

Client Sample ID: D-12 (26.5)
Date Collected: 09/21/20 12:20
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-12 (26.5)
Date Collected: 09/21/20 12:20
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-4
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		1	551207	09/25/20 18:39	AMM	TAL BUF

Client Sample ID: D-12 (29.5)
Date Collected: 09/21/20 12:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-12 (29.5)
Date Collected: 09/21/20 12:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-5
Matrix: Solid
Percent Solids: 72.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		2	551207	09/25/20 19:02	AMM	TAL BUF

Client Sample ID: D-12 (32.7)
Date Collected: 09/21/20 12:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-12 (32.7)
Date Collected: 09/21/20 12:45
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-6
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		2	551207	09/25/20 19:25	AMM	TAL BUF

Client Sample ID: D-13 (20.5)
Date Collected: 09/21/20 14:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-13 (20.5)
Date Collected: 09/21/20 14:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-7
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 14:22	AMM	TAL BUF
Total/NA	Analysis	8260C		4	551207	09/25/20 19:48	AMM	TAL BUF

Client Sample ID: D-13 (24.5)
Date Collected: 09/21/20 14:55
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-13 (24.5)
Date Collected: 09/21/20 14:55
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-8
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 15:21	AMM	TAL BUF
Total/NA	Analysis	8260C		8	551207	09/25/20 20:11	AMM	TAL BUF

Client Sample ID: D-13 (32.4)
Date Collected: 09/21/20 15:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	550843	09/23/20 11:23	GSR	TAL BUF

Client Sample ID: D-13 (32.4)
Date Collected: 09/21/20 15:30
Date Received: 09/22/20 10:30

Lab Sample ID: 480-175437-9
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550876	09/23/20 15:21	AMM	TAL BUF
Total/NA	Analysis	8260C		8	551207	09/25/20 20:35	AMM	TAL BUF

Client Sample ID: D-14 (1.7-2.2)
Date Collected: 09/22/20 08:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-14 (1.7-2.2)
Date Collected: 09/22/20 08:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-1
Matrix: Solid
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		1	551758	09/30/20 15:51	LCH	TAL BUF

Client Sample ID: D-14 (26.8)
Date Collected: 09/22/20 09:55
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: D-14 (26.8)
Date Collected: 09/22/20 09:55
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-2
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		25	551758	09/30/20 16:14	LCH	TAL BUF

Client Sample ID: D-14 (33)
Date Collected: 09/22/20 10:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: D-14 (33)
Date Collected: 09/22/20 10:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-3
Matrix: Solid
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		50	551758	09/30/20 16:37	LCH	TAL BUF

Client Sample ID: D-14 (34.2)
Date Collected: 09/22/20 10:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-14 (34.2)
Date Collected: 09/22/20 10:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-4
Matrix: Solid
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		10	551758	09/30/20 17:00	LCH	TAL BUF

Client Sample ID: D-15 (32.2-32.4)
Date Collected: 09/22/20 12:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: D-15 (32.2-32.4)
Date Collected: 09/22/20 12:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-5
Matrix: Solid
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		10	551758	09/30/20 17:23	LCH	TAL BUF

Client Sample ID: D-15 (33.1)
Date Collected: 09/22/20 12:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: D-15 (33.1)
Date Collected: 09/22/20 12:50
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-6
Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		8	551758	09/30/20 17:47	LCH	TAL BUF

Client Sample ID: D-16 (4-4.5)
Date Collected: 09/22/20 13:40
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	ASTM D2974		1	332354	10/05/20 19:59	PMH	TAL PIT

Client Sample ID: D-16 (23.5-24)
Date Collected: 09/22/20 14:25
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-16 (23.5-24)
Date Collected: 09/22/20 14:25
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-8
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		4	551758	09/30/20 18:11	LCH	TAL BUF

Client Sample ID: D-16 (27.5)
Date Collected: 09/22/20 14:35
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: D-16 (27.5)
Date Collected: 09/22/20 14:35
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-9
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		20	551758	09/30/20 18:34	LCH	TAL BUF

Client Sample ID: DUP-04_20200922
Date Collected: 09/22/20 00:00
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551057	09/24/20 11:14	GSR	TAL BUF

Client Sample ID: DUP-04_20200922
Date Collected: 09/22/20 00:00
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-11
Matrix: Solid
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			550908	09/23/20 15:46	WJD	TAL BUF
Total/NA	Analysis	8260C		8	551758	09/30/20 18:57	LCH	TAL BUF

Client Sample ID: TRIP BLANK
Date Collected: 09/22/20 16:10
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551528	09/28/20 22:15	CRL	TAL BUF

Client Sample ID: FB-01_20200922
Date Collected: 09/22/20 16:15
Date Received: 09/23/20 10:30

Lab Sample ID: 480-175493-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551528	09/28/20 22:38	CRL	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-17 (23.5)
Date Collected: 09/23/20 09:25
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551274	09/25/20 14:41	GSR	TAL BUF

Client Sample ID: D-17 (23.5)
Date Collected: 09/23/20 09:25
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-1
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			551324	09/25/20 18:01	WJD	TAL BUF
Total/NA	Analysis	8260C		10	551758	09/30/20 13:56	LCH	TAL BUF

Client Sample ID: D-17 (34.5)
Date Collected: 09/23/20 10:05
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551274	09/25/20 14:41	GSR	TAL BUF

Client Sample ID: D-17 (34.5)
Date Collected: 09/23/20 10:05
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-2
Matrix: Solid
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			551324	09/25/20 18:01	WJD	TAL BUF
Total/NA	Analysis	8260C		1	551758	09/30/20 14:19	LCH	TAL BUF

Client Sample ID: D-18 (14)
Date Collected: 09/23/20 11:20
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551274	09/25/20 14:41	GSR	TAL BUF

Client Sample ID: D-18 (14)
Date Collected: 09/23/20 11:20
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-3
Matrix: Solid
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			551324	09/25/20 18:01	WJD	TAL BUF
Total/NA	Analysis	8260C		10	551758	09/30/20 14:42	LCH	TAL BUF

Client Sample ID: D-18 (12.1)
Date Collected: 09/23/20 11:15
Date Received: 09/24/20 10:30

Lab Sample ID: 480-175569-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	551274	09/25/20 14:41	GSR	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Client Sample ID: D-18 (12.1)

Lab Sample ID: 480-175569-4
Date Collected: 09/23/20 11:15
Matrix: Solid
Date Received: 09/24/20 10:30
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			551324	09/25/20 18:01	WJD	TAL BUF
Total/NA	Analysis	8260C		4	551758	09/30/20 15:05	LCH	TAL BUF

Client Sample ID: TRIP BLANK-20200923

Lab Sample ID: 480-175569-5
Date Collected: 09/23/20 15:20
Matrix: Water
Date Received: 09/24/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551528	09/28/20 23:47	CRL	TAL BUF

Client Sample ID: FB-02-20200923

Lab Sample ID: 480-175569-6
Date Collected: 09/23/20 15:25
Matrix: Water
Date Received: 09/24/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	551528	09/29/20 00:11	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	09-30-20

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-21
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-20
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	01-01-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-21

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

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
ASTM D2974	Moisture, Ash and Organic Matter	ASTM	TAL PIT
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175437-1	D-11 (30.5)	Solid	09/21/20 10:35	09/22/20 10:30	
480-175437-2	D-11 (33.5)	Solid	09/21/20 10:40	09/22/20 10:30	
480-175437-3	D-11 (34.5)	Solid	09/21/20 10:45	09/22/20 10:30	
480-175437-4	D-12 (26.5)	Solid	09/21/20 12:20	09/22/20 10:30	
480-175437-5	D-12 (29.5)	Solid	09/21/20 12:30	09/22/20 10:30	
480-175437-6	D-12 (32.7)	Solid	09/21/20 12:45	09/22/20 10:30	
480-175437-7	D-13 (20.5)	Solid	09/21/20 14:30	09/22/20 10:30	
480-175437-8	D-13 (24.5)	Solid	09/21/20 14:55	09/22/20 10:30	
480-175437-9	D-13 (32.4)	Solid	09/21/20 15:30	09/22/20 10:30	
480-175493-1	D-14 (1.7-2.2)	Solid	09/22/20 08:50	09/23/20 10:30	
480-175493-2	D-14 (26.8)	Solid	09/22/20 09:55	09/23/20 10:30	
480-175493-3	D-14 (33)	Solid	09/22/20 10:40	09/23/20 10:30	
480-175493-4	D-14 (34.2)	Solid	09/22/20 10:50	09/23/20 10:30	
480-175493-5	D-15 (32.2-32.4)	Solid	09/22/20 12:40	09/23/20 10:30	
480-175493-6	D-15 (33.1)	Solid	09/22/20 12:50	09/23/20 10:30	
480-175493-7	D-16 (4-4.5)	Solid	09/22/20 13:40	09/23/20 10:30	
480-175493-8	D-16 (23.5-24)	Solid	09/22/20 14:25	09/23/20 10:30	
480-175493-9	D-16 (27.5)	Solid	09/22/20 14:35	09/23/20 10:30	
480-175493-11	DUP-04_20200922	Solid	09/22/20 00:00	09/23/20 10:30	
480-175493-12	TRIP BLANK	Water	09/22/20 16:10	09/23/20 10:30	
480-175493-13	FB-01_20200922	Water	09/22/20 16:15	09/23/20 10:30	
480-175569-1	D-17 (23.5)	Solid	09/23/20 09:25	09/24/20 10:30	
480-175569-2	D-17 (34.5)	Solid	09/23/20 10:05	09/24/20 10:30	
480-175569-3	D-18 (14)	Solid	09/23/20 11:20	09/24/20 10:30	
480-175569-4	D-18 (12.1)	Solid	09/23/20 11:15	09/24/20 10:30	
480-175569-5	TRIP BLANK-20200923	Water	09/23/20 15:20	09/24/20 10:30	
480-175569-6	FB-02-20200923	Water	09/23/20 15:25	09/24/20 10:30	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.17
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
L - EDA Z - other (specify)
Other:

480-175437 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-11 (30.5)	9/21/20	1035	G	Solid			X		1	
D-11 (33.5)	9/21/20	1040	G	Solid			X		1	
D-11 (34.5)	9/21/20	1045	G	Solid			X		1	
D-12 (26.5)	9/21/20	1220	G	Solid			X		1	
D-12 (29.5)	9/21/20	1230	G	Solid			X		1	
D-12 (32.7)	9/21/20	1245	G	Solid			X		1	
D-13 (20.5)	9/21/20	1430	G	Solid			X		1	
D-13 (24.5)	9/21/20	1455	G	Solid			X		1	
D-13 (32.4)	9/21/20	1530	G	Solid			X		1	
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/21/20 1740	Arcadis		9/22/20 1030	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4# / ICE

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clark	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.16
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH N - None
C - Zn Acetate

480-175493 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of co	Special Instructions/Note:
			Preservation Code:				N	N		
D-14 (1.7-2.2)	9/22/20	0850	G	Solid			X		1	
D-14 (26.8)	9/22/20	0955	G	Solid			X		1	
D-14 (33)	9/22/20	1040	G	Solid			X		1	
D-14 (34.2)	9/22/20	1050	G	Solid			X		1	
D-15 (32.2-32.4)	9/22/20	1240	G	Solid			X		1	
D-15 (33.1)	9/22/20	1250	G	Solid			X		1	
D-16 (4-4.5)	9/22/20	1340	G	Solid				X	1	
D-16 (23.5-24)	9/22/20	1425	G	Solid			X		1	
D-16 (27.5)	9/22/20	1435	G	Solid			X		1	
D-16 (23.5-24) (MS/MSD)	9/22/20	1425	G	Solid			X		2	
DUP-04_20200922	9/22/20	—	G	Solid			X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clark	9/22/20 1800	Arcadis		9/23/20 0930	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.7 # ICE

Ver: 01/16/2019

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

Chain of Custody Record

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Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.15
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 2 of 2
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested	Preservation Codes:
City: Clifton Park	TAT Requested (days): 10 Days		A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: NY, 12065			
Phone: 518-250-7322(Tel)	PO #: 30002755.00043		
Email: mark.flusche@arcadis-us.com	WO #:		
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
TRIP BLANK_20200922	9/22/20	1610	G	Water					X	1	
FB-01_20200922	9/22/20	1615	G	Water					X	3	
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/22/20 1800	Arcadis	[signature]	9/23/20 1630	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7 # ICE

Ver: 01/16/2019

10/8/2020

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.2
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH N - [illegible]
C - Zn Acetate
D - [illegible]
[illegible]drate
[illegible]er (specify)

480-175569 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number o	Special Instructions/Note:
			Preservation Code:		X	X	N	N	A	X	
D-17(23.5)	9/23/20	0925	G	Solid			X				
D-17(34.5)	9/23/20	1005	G	Solid			X				
D-18(14)	9/23/20	1120	G	Solid			X				
D-19(17.1)	9/23/20	1115	G	Solid			X				
TRIPBLANK_20200923	9/23/20	1520	G	Water					X	1	
FB-02_20200923	9/23/20	1525	G	Water					X	3	
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9/23/20 1930	ARCADIS	Watale	9/24/20 1030	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #(3;0

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175437-1
SDG Number: 480-175437-1

Login Number: 175437
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175437-1
SDG Number: 480-175437-1

Login Number: 175493
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175437-1
SDG Number: 480-175437-1

Login Number: 175493
List Number: 2
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 09/24/20 02:13 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175437-1
SDG Number: 480-175437-1

Login Number: 175569
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175741-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
10/7/2020 12:17:10 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-175741-1
Project/Site: GTEOSI - Seneca Falls

Glossary

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

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

Job ID: 480-175741-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175741-1

Comments
No additional comments.

Receipt
The sample was received on 9/29/2020 10:30 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1º C.

GC/MS VOA
Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: SOIL_01_20200928 (480-175741-1) and (LB 480-552641/1-A). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Job ID: 480-175741-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: SOIL_01_20200928 **Lab Sample ID: 480-175741-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

Client Sample ID: SOIL_01_20200928
Date Collected: 09/28/20 15:00
Date Received: 09/29/20 10:30

Lab Sample ID: 480-175741-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010		mg/L			10/07/20 11:16	10
Methyl ethyl ketone (MEK)	ND		0.050		mg/L			10/07/20 11:16	10
Benzene	ND		0.010		mg/L			10/07/20 11:16	10
Carbon tetrachloride	ND		0.010		mg/L			10/07/20 11:16	10
Chlorobenzene	ND		0.010		mg/L			10/07/20 11:16	10
Chloroform	ND		0.010		mg/L			10/07/20 11:16	10
Tetrachloroethene	ND		0.010		mg/L			10/07/20 11:16	10
Trichloroethene	ND		0.010		mg/L			10/07/20 11:16	10
Vinyl chloride	ND		0.010		mg/L			10/07/20 11:16	10
1,1-Dichloroethene	ND		0.010		mg/L			10/07/20 11:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*10/07/20 11:16*	*10*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*10/07/20 11:16*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*10/07/20 11:16*	*10*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*10/07/20 11:16*	*10*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
LCS 480-552736/5	Lab Control Sample	111	104	104	113
MB 480-552736/7	Method Blank	107	103	101	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175741-1	SOIL_01_20200928	105	105	97	100
LB 480-552641/1-A	Method Blank	107	103	98	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-552736/7
Matrix: Solid
Analysis Batch: 552736

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.0010		mg/L			10/07/20 10:15	1
Methyl ethyl ketone (MEK)	ND		0.0050		mg/L			10/07/20 10:15	1
Benzene	ND		0.0010		mg/L			10/07/20 10:15	1
Carbon tetrachloride	ND		0.0010		mg/L			10/07/20 10:15	1
Chlorobenzene	ND		0.0010		mg/L			10/07/20 10:15	1
Chloroform	ND		0.0010		mg/L			10/07/20 10:15	1
Tetrachloroethene	ND		0.0010		mg/L			10/07/20 10:15	1
Trichloroethene	ND		0.0010		mg/L			10/07/20 10:15	1
Vinyl chloride	ND		0.0010		mg/L			10/07/20 10:15	1
1,1-Dichloroethene	ND		0.0010		mg/L			10/07/20 10:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/07/20 10:15*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/07/20 10:15*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/07/20 10:15*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/07/20 10:15*	*1*

Lab Sample ID: LCS 480-552736/5
Matrix: Solid
Analysis Batch: 552736

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	0.0250	0.0263		mg/L		105	75 - 120
Methyl ethyl ketone (MEK)	0.125	0.131		mg/L		105	57 - 140
Benzene	0.0250	0.0257		mg/L		103	71 - 124
Carbon tetrachloride	0.0250	0.0283		mg/L		113	72 - 134
Chlorobenzene	0.0250	0.0257		mg/L		103	80 - 120
Chloroform	0.0250	0.0259		mg/L		104	73 - 127
Tetrachloroethene	0.0250	0.0254		mg/L		102	74 - 122
Trichloroethene	0.0250	0.0257		mg/L		103	74 - 123
Vinyl chloride	0.0250	0.0270		mg/L		108	65 - 133
1,1-Dichloroethene	0.0250	0.0271		mg/L		108	66 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
Dibromofluoromethane (Surr)	*113*		*75 - 123*

Lab Sample ID: LB 480-552641/1-A
Matrix: Solid
Analysis Batch: 552736

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		0.010		mg/L			10/07/20 10:51	10
Methyl ethyl ketone (MEK)	ND		0.050		mg/L			10/07/20 10:51	10
Benzene	ND		0.010		mg/L			10/07/20 10:51	10
Carbon tetrachloride	ND		0.010		mg/L			10/07/20 10:51	10

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

Lab Sample ID: LB 480-552641/1-A
Matrix: Solid
Analysis Batch: 552736

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.010		mg/L			10/07/20 10:51	10
Chloroform	ND		0.010		mg/L			10/07/20 10:51	10
Tetrachloroethene	ND		0.010		mg/L			10/07/20 10:51	10
Trichloroethene	ND		0.010		mg/L			10/07/20 10:51	10
Vinyl chloride	ND		0.010		mg/L			10/07/20 10:51	10
1,1-Dichloroethene	ND		0.010		mg/L			10/07/20 10:51	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*10/07/20 10:51*	*10*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/07/20 10:51*	*10*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/07/20 10:51*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*10/07/20 10:51*	*10*

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

GC/MS VOA

Leach Batch: 552641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175741-1	SOIL_01_20200928	TCLP	Solid	1311	
LB 480-552641/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 552736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175741-1	SOIL_01_20200928	TCLP	Solid	8260C	552641
LB 480-552641/1-A	Method Blank	TCLP	Solid	8260C	552641
MB 480-552736/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-552736/5	Lab Control Sample	Total/NA	Solid	8260C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-175741-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: SOIL_01_20200928
Lab Sample ID: 480-175741-1
Date Collected: 09/28/20 15:00
Matrix: Solid
Date Received: 09/29/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			552641	10/06/20 12:39	LMS	TAL BUF
TCLP	Analysis	8260C		10	552736	10/07/20 11:16	LCH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-175741-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175741-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175741-1	SOIL_01_20200928	Solid	09/28/20 15:00	09/29/20 10:30	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.14
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~14 of 26~~ 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): RUSH - 5 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	TCLP VOCs	HOLD	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N		
SOIL-01_20200928	9/28/20	1500	C	Solid					X	X	3	For waste characterization
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								
				Solid								

480-175741 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: HOLD sample volume incase additional analysis

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ryan Clare	9/28/20 1715	Arcadis		9/29/20 1030	TAS

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175741-1

Login Number: 175741

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.1 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175875-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
10/15/2020 8:45:28 AM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Glossary

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

Job ID: 480-175875-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175875-1

Comments
No additional comments.

Receipt
The samples were received on 10/1/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

Receipt Exceptions
The following sample was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC): DUP-05-20200930 (480-175875-10)

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-19 (22.8) (480-175875-1), D-20 (14.6) (480-175875-2), D-21 (12.5) (480-175875-3), D-21 (12.9) (480-175875-4), D-21 (17.5) (480-175875-6), D-21 (28.5) (480-175875-7) and DUP-05-20200930 (480-175875-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-552935 recovered above the upper control limit for Carbon tetrachloride, Dibromochloromethane, and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-19 (22.8) (480-175875-1), D-20 (14.6) (480-175875-2), D-21 (12.5) (480-175875-3), D-21 (12.9) (480-175875-4), D-21 (17.5) (480-175875-6), D-21 (28.5) (480-175875-7) and DUP-05-20200930 (480-175875-10).

Method 8260C: Surrogate recovery in the continuing calibration verification (CCV) was outside the 20%D recovery but within house limits. The following samples are impacted: D-19 (22.8) (480-175875-1), D-20 (14.6) (480-175875-2), D-21 (12.5) (480-175875-3), D-21 (12.9) (480-175875-4), D-21 (17.5) (480-175875-6), D-21 (28.5) (480-175875-7) and DUP-05-20200930 (480-175875-10)

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-19 (22.8) — Lab Sample ID: 480-175875-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	30000		480		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-20 (14.6) — Lab Sample ID: 480-175875-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	39000		900		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-21 (12.5) — Lab Sample ID: 480-175875-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		4700		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-21 (12.9) — Lab Sample ID: 480-175875-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	170000		4500		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-21 (2.25) — Lab Sample ID: 480-175875-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	3.6		0.5		%	1		ASTM D2974	Total/NA
Ash Content	96.4		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	20.5		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: D-21 (17.5) — Lab Sample ID: 480-175875-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	200000		4700		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-21 (28.5) — Lab Sample ID: 480-175875-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	16000		480		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: TRIP BLANK_20200930 — Lab Sample ID: 480-175875-8

No Detections.

Client Sample ID: FB-03_20200930 — Lab Sample ID: 480-175875-9

No Detections.

Client Sample ID: DUP-05-20200930 — Lab Sample ID: 480-175875-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		4700		ug/Kg	40	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-19 (22.8)
Date Collected: 09/30/20 10:55
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-1
Matrix: Solid
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,1,2,2-Tetrachloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,1,2-Trichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,1-Dichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,1-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2,4-Trichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2-Dibromo-3-Chloropropane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2-Dibromoethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2-Dichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,2-Dichloropropane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,3-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
1,4-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methyl ethyl ketone (MEK)	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
2-Hexanone	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methyl isobutyl ketone (MIBK)	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Acetone	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Benzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Bromodichloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Bromoform	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Bromomethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Carbon disulfide	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Carbon tetrachloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Chlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Chloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Chloroform	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Chloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
cis-1,2-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
cis-1,3-Dichloropropene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Cyclohexane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Dibromochloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Dichlorodifluoromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Ethylbenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Isopropylbenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methyl acetate	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methyl tert-butyl ether	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methylcyclohexane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Methylene Chloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Styrene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Tetrachloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Toluene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
trans-1,2-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
trans-1,3-Dichloropropene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Trichloroethene	**30000**		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Trichlorofluoromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Vinyl chloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4
Xylenes, Total	ND		960		ug/Kg	☼	10/06/20 10:26	10/08/20 11:11	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-19 (22.8)
Date Collected: 09/30/20 10:55
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-1
Matrix: Solid
Percent Solids: 88.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		53 - 146	10/06/20 10:26	10/08/20 11:11	4
4-Bromofluorobenzene (Surr)	104		49 - 148	10/06/20 10:26	10/08/20 11:11	4
Dibromofluoromethane (Surr)	112		60 - 140	10/06/20 10:26	10/08/20 11:11	4
Toluene-d8 (Surr)	103		50 - 149	10/06/20 10:26	10/08/20 11:11	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-20 (14.6)
Date Collected: 09/30/20 12:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-2
Matrix: Solid
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,1,2,2-Tetrachloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,1,2-Trichloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,1-Dichloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,1-Dichloroethene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2,4-Trichlorobenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2-Dibromo-3-Chloropropane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2-Dibromoethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2-Dichlorobenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2-Dichloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,2-Dichloropropane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,3-Dichlorobenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
1,4-Dichlorobenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methyl ethyl ketone (MEK)	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
2-Hexanone	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methyl isobutyl ketone (MIBK)	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Acetone	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Benzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Bromodichloromethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Bromoform	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Bromomethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Carbon disulfide	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Carbon tetrachloride	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Chlorobenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Chloroethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Chloroform	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Chloromethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
cis-1,2-Dichloroethene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
cis-1,3-Dichloropropene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Cyclohexane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Dibromochloromethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Dichlorodifluoromethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Ethylbenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Isopropylbenzene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methyl acetate	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methyl tert-butyl ether	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methylcyclohexane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Methylene Chloride	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Styrene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Tetrachloroethene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Toluene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
trans-1,2-Dichloroethene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
trans-1,3-Dichloropropene	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Trichloroethene	**39000**		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Trichlorofluoromethane	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Vinyl chloride	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8
Xylenes, Total	ND		1800		ug/Kg	☼	10/06/20 10:26	10/08/20 11:34	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-20 (14.6)
Date Collected: 09/30/20 12:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-2
Matrix: Solid
Percent Solids: 90.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		53 - 146	10/06/20 10:26	10/08/20 11:34	8
4-Bromofluorobenzene (Surr)	110		49 - 148	10/06/20 10:26	10/08/20 11:34	8
Dibromofluoromethane (Surr)	115		60 - 140	10/06/20 10:26	10/08/20 11:34	8
Toluene-d8 (Surr)	105		50 - 149	10/06/20 10:26	10/08/20 11:34	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (12.5)
Date Collected: 09/30/20 14:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-3
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,1,2,2-Tetrachloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,1,2-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,1-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,1-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2,4-Trichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2-Dibromo-3-Chloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2-Dibromoethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,2-Dichloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,3-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
1,4-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methyl ethyl ketone (MEK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
2-Hexanone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methyl isobutyl ketone (MIBK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Acetone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Benzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Bromodichloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Bromoform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Bromomethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Carbon disulfide	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Carbon tetrachloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Chlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Chloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Chloroform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Chloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
cis-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
cis-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Cyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Dibromochloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Dichlorodifluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Ethylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Isopropylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methyl acetate	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methyl tert-butyl ether	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methylcyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Methylene Chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Styrene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Tetrachloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Toluene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
trans-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
trans-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Trichloroethene	**150000**		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Trichlorofluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Vinyl chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40
Xylenes, Total	ND		9400		ug/Kg	☼	10/06/20 10:26	10/08/20 11:57	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (12.5)
Date Collected: 09/30/20 14:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-3
Matrix: Solid
Percent Solids: 89.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		53 - 146	10/06/20 10:26	10/08/20 11:57	40
4-Bromofluorobenzene (Surr)	103		49 - 148	10/06/20 10:26	10/08/20 11:57	40
Dibromofluoromethane (Surr)	119		60 - 140	10/06/20 10:26	10/08/20 11:57	40
Toluene-d8 (Surr)	102		50 - 149	10/06/20 10:26	10/08/20 11:57	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (12.9)
Date Collected: 09/30/20 14:35
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-4
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,1,2,2-Tetrachloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,1,2-Trichloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,1-Dichloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,1-Dichloroethene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2,4-Trichlorobenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2-Dibromo-3-Chloropropane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2-Dibromoethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2-Dichlorobenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2-Dichloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,2-Dichloropropane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,3-Dichlorobenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
1,4-Dichlorobenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methyl ethyl ketone (MEK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
2-Hexanone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methyl isobutyl ketone (MIBK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Acetone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Benzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Bromodichloromethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Bromoform	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Bromomethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Carbon disulfide	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Carbon tetrachloride	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Chlorobenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Chloroethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Chloroform	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Chloromethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
cis-1,2-Dichloroethene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
cis-1,3-Dichloropropene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Cyclohexane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Dibromochloromethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Dichlorodifluoromethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Ethylbenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Isopropylbenzene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methyl acetate	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methyl tert-butyl ether	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methylcyclohexane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Methylene Chloride	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Styrene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Tetrachloroethene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Toluene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
trans-1,2-Dichloroethene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
trans-1,3-Dichloropropene	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Trichloroethene	**170000**		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Trichlorofluoromethane	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Vinyl chloride	ND		4500		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40
Xylenes, Total	ND		9100		ug/Kg	☼	10/06/20 10:26	10/08/20 12:20	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (12.9)
Date Collected: 09/30/20 14:35
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-4
Matrix: Solid
Percent Solids: 91.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		53 - 146	10/06/20 10:26	10/08/20 12:20	40
4-Bromofluorobenzene (Surr)	106		49 - 148	10/06/20 10:26	10/08/20 12:20	40
Dibromofluoromethane (Surr)	121		60 - 140	10/06/20 10:26	10/08/20 12:20	40
Toluene-d8 (Surr)	104		50 - 149	10/06/20 10:26	10/08/20 12:20	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (2.25)

Date Collected: 09/30/20 14:00
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-5

Matrix: Solid

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	3.6		0.5		%			10/12/20 19:41	1
Ash Content	96.4		0.5		%			10/12/20 19:41	1
Moisture Content	20.5		0.5		%			10/12/20 19:41	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (17.5)
Date Collected: 09/30/20 15:10
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-6
Matrix: Solid
Percent Solids: 88.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,1,2,2-Tetrachloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,1,2-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,1-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,1-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2,4-Trichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2-Dibromo-3-Chloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2-Dibromoethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,2-Dichloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,3-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
1,4-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methyl ethyl ketone (MEK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
2-Hexanone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methyl isobutyl ketone (MIBK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Acetone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Benzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Bromodichloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Bromoform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Bromomethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Carbon disulfide	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Carbon tetrachloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Chlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Chloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Chloroform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Chloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
cis-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
cis-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Cyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Dibromochloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Dichlorodifluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Ethylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Isopropylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methyl acetate	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methyl tert-butyl ether	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methylcyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Methylene Chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Styrene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Tetrachloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Toluene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
trans-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
trans-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Trichloroethene	**200000**		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Trichlorofluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Vinyl chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40
Xylenes, Total	ND		9300		ug/Kg	☼	10/06/20 10:26	10/08/20 12:43	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (17.5)
Date Collected: 09/30/20 15:10
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-6
Matrix: Solid
Percent Solids: 88.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		53 - 146	10/06/20 10:26	10/08/20 12:43	40
4-Bromofluorobenzene (Surr)	106		49 - 148	10/06/20 10:26	10/08/20 12:43	40
Dibromofluoromethane (Surr)	126		60 - 140	10/06/20 10:26	10/08/20 12:43	40
Toluene-d8 (Surr)	103		50 - 149	10/06/20 10:26	10/08/20 12:43	40

Client Sample ID: D-21 (28.5)
Date Collected: 09/30/20 15:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-7
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,1,2,2-Tetrachloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,1,2-Trichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,1-Dichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,1-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2,4-Trichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2-Dibromo-3-Chloropropane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2-Dibromoethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2-Dichloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,2-Dichloropropane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,3-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
1,4-Dichlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methyl ethyl ketone (MEK)	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
2-Hexanone	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methyl isobutyl ketone (MIBK)	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Acetone	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Benzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Bromodichloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Bromoform	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Bromomethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Carbon disulfide	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Carbon tetrachloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Chlorobenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Chloroethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Chloroform	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Chloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
cis-1,2-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
cis-1,3-Dichloropropene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Cyclohexane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Dibromochloromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Dichlorodifluoromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Ethylbenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Isopropylbenzene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methyl acetate	ND		2400		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methyl tert-butyl ether	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methylcyclohexane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Methylene Chloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Styrene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Tetrachloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Toluene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
trans-1,2-Dichloroethene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
trans-1,3-Dichloropropene	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Trichloroethene	**16000**		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Trichlorofluoromethane	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Vinyl chloride	ND		480		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4
Xylenes, Total	ND		960		ug/Kg	☼	10/06/20 10:26	10/08/20 13:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (28.5)
Date Collected: 09/30/20 15:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-7
Matrix: Solid
Percent Solids: 87.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		53 - 146	10/06/20 10:26	10/08/20 13:06	4
4-Bromofluorobenzene (Surr)	106		49 - 148	10/06/20 10:26	10/08/20 13:06	4
Dibromofluoromethane (Surr)	115		60 - 140	10/06/20 10:26	10/08/20 13:06	4
Toluene-d8 (Surr)	104		50 - 149	10/06/20 10:26	10/08/20 13:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: TRIP BLANK_20200930

Date Collected: 09/30/20 16:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 06:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 06:56	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 06:56	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 06:56	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 06:56	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 06:56	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 06:56	1
2-Hexanone	ND		10		ug/L			10/03/20 06:56	1
Acetone	ND		10		ug/L			10/03/20 06:56	1
Benzene	ND		5.0		ug/L			10/03/20 06:56	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 06:56	1
Bromoform	ND		5.0		ug/L			10/03/20 06:56	1
Bromomethane	ND		5.0		ug/L			10/03/20 06:56	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 06:56	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 06:56	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 06:56	1
Chloroethane	ND		5.0		ug/L			10/03/20 06:56	1
Chloroform	ND		5.0		ug/L			10/03/20 06:56	1
Chloromethane	ND		5.0		ug/L			10/03/20 06:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 06:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 06:56	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 06:56	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 06:56	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 06:56	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 06:56	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 06:56	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 06:56	1
Styrene	ND		5.0		ug/L			10/03/20 06:56	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 06:56	1
Toluene	ND		5.0		ug/L			10/03/20 06:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 06:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 06:56	1
Trichloroethene	ND		5.0		ug/L			10/03/20 06:56	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 06:56	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 06:56	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 06:56	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 06:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*10/03/20 06:56*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*10/03/20 06:56*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*10/03/20 06:56*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*10/03/20 06:56*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: FB-03_20200930
Date Collected: 09/30/20 16:45
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 07:20	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 07:20	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 07:20	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 07:20	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 07:20	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 07:20	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 07:20	1
2-Hexanone	ND		10		ug/L			10/03/20 07:20	1
Acetone	ND		10		ug/L			10/03/20 07:20	1
Benzene	ND		5.0		ug/L			10/03/20 07:20	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 07:20	1
Bromoform	ND		5.0		ug/L			10/03/20 07:20	1
Bromomethane	ND		5.0		ug/L			10/03/20 07:20	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 07:20	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 07:20	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 07:20	1
Chloroethane	ND		5.0		ug/L			10/03/20 07:20	1
Chloroform	ND		5.0		ug/L			10/03/20 07:20	1
Chloromethane	ND		5.0		ug/L			10/03/20 07:20	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 07:20	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 07:20	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 07:20	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 07:20	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 07:20	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 07:20	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 07:20	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 07:20	1
Styrene	ND		5.0		ug/L			10/03/20 07:20	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 07:20	1
Toluene	ND		5.0		ug/L			10/03/20 07:20	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 07:20	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 07:20	1
Trichloroethene	ND		5.0		ug/L			10/03/20 07:20	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 07:20	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 07:20	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 07:20	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 07:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/03/20 07:20*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*10/03/20 07:20*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*10/03/20 07:20*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*10/03/20 07:20*	*1*

Client Sample ID: DUP-05-20200930
Date Collected: 09/30/20 00:00
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-10
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,1,2,2-Tetrachloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,1,2-Trichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,1-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,1-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2,4-Trichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2-Dibromo-3-Chloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2-Dibromoethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2-Dichloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,2-Dichloropropane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,3-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
1,4-Dichlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methyl ethyl ketone (MEK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
2-Hexanone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methyl isobutyl ketone (MIBK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Acetone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Benzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Bromodichloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Bromoform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Bromomethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Carbon disulfide	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Carbon tetrachloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Chlorobenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Chloroethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Chloroform	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Chloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
cis-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
cis-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Cyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Dibromochloromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Dichlorodifluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Ethylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Isopropylbenzene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methyl acetate	ND		23000		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methyl tert-butyl ether	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methylcyclohexane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Methylene Chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Styrene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Tetrachloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Toluene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
trans-1,2-Dichloroethene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
trans-1,3-Dichloropropene	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Trichloroethene	**150000**		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Trichlorofluoromethane	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Vinyl chloride	ND		4700		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40
Xylenes, Total	ND		9300		ug/Kg	☼	10/06/20 10:26	10/08/20 13:29	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: DUP-05-20200930
Date Collected: 09/30/20 00:00
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-10
Matrix: Solid
Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		53 - 146	10/06/20 10:26	10/08/20 13:29	40
4-Bromofluorobenzene (Surr)	101		49 - 148	10/06/20 10:26	10/08/20 13:29	40
Dibromofluoromethane (Surr)	118		60 - 140	10/06/20 10:26	10/08/20 13:29	40
Toluene-d8 (Surr)	103		50 - 149	10/06/20 10:26	10/08/20 13:29	40

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-175875-1	D-19 (22.8)	111	104	112	103
480-175875-2	D-20 (14.6)	113	110	115	105
480-175875-3	D-21 (12.5)	115	103	119	102
480-175875-4	D-21 (12.9)	119	106	121	104
480-175875-6	D-21 (17.5)	119	106	126	103
480-175875-7	D-21 (28.5)	114	106	115	104
480-175875-10	DUP-05-20200930	118	101	118	103
LCS 480-552605/1-A	Lab Control Sample	115	111	121	104
MB 480-552605/2-A	Method Blank	112	109	114	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175875-8	TRIP BLANK_20200930	115	104	98	110
480-175875-9	FB-03_20200930	112	106	99	106
LCS 480-552260/6	Lab Control Sample	113	110	104	108
MB 480-552260/8	Method Blank	117	103	100	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

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

Lab Sample ID: MB 480-552260/8
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 01:19	1
2-Hexanone	ND		10		ug/L			10/03/20 01:19	1
Acetone	ND		10		ug/L			10/03/20 01:19	1
Benzene	ND		5.0		ug/L			10/03/20 01:19	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 01:19	1
Bromoform	ND		5.0		ug/L			10/03/20 01:19	1
Bromomethane	ND		5.0		ug/L			10/03/20 01:19	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 01:19	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 01:19	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 01:19	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 01:19	1
Chloroethane	ND		5.0		ug/L			10/03/20 01:19	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 01:19	1
Chloroform	ND		5.0		ug/L			10/03/20 01:19	1
Chloromethane	ND		5.0		ug/L			10/03/20 01:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 01:19	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 01:19	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 01:19	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 01:19	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 01:19	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 01:19	1
Styrene	ND		5.0		ug/L			10/03/20 01:19	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 01:19	1
Toluene	ND		5.0		ug/L			10/03/20 01:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 01:19	1
Trichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 01:19	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 01:19	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*10/03/20 01:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/03/20 01:19*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/03/20 01:19*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/03/20 01:19*	*1*

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

Lab Sample ID: LCS 480-552260/6
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		105	76 - 120
2-Hexanone	125	140		ug/L		112	65 - 127
Acetone	125	148		ug/L		119	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		105	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		107	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Methyl ethyl ketone (MEK)	125	145		ug/L		116	57 - 140
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Methyl isobutyl ketone (MIBK)	125	132		ug/L		106	71 - 125
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	28.4		ug/L		114	59 - 135
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
Methylene Chloride	25.0	22.7		ug/L		91	75 - 124
Styrene	25.0	26.4		ug/L		106	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	27.3		ug/L		109	62 - 150
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-552605/2-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1

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

Lab Sample ID: MB 480-552605/2-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1,2-Trichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1-Dichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dibromoethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichloropropane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,3-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,4-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
2-Hexanone	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Acetone	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Benzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromodichloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromoform	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromomethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Carbon disulfide	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Carbon tetrachloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloroform	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Cyclohexane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Dibromochloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Dichlorodifluoromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Ethylbenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Isopropylbenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl acetate	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl tert-butyl ether	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methylcyclohexane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methylene Chloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Styrene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Tetrachloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Toluene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Trichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Trichlorofluoromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Vinyl chloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Xylenes, Total	ND		200		ug/Kg		10/06/20 10:26	10/08/20 10:27	1

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

Lab Sample ID: MB 480-552605/2-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552605

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		53 - 146	10/06/20 10:26	10/08/20 10:27	1
4-Bromofluorobenzene (Surr)	109		49 - 148	10/06/20 10:26	10/08/20 10:27	1
Dibromofluoromethane (Surr)	114		60 - 140	10/06/20 10:26	10/08/20 10:27	1
Toluene-d8 (Surr)	103		50 - 149	10/06/20 10:26	10/08/20 10:27	1

Lab Sample ID: LCS 480-552605/1-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2960		ug/Kg		118	68 - 130
1,1,2,2-Tetrachloroethane	2500	2100		ug/Kg		84	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3030		ug/Kg		121	10 - 179
1,1,2-Trichloroethane	2500	2350		ug/Kg		94	80 - 120
1,1-Dichloroethane	2500	2490		ug/Kg		100	78 - 121
1,1-Dichloroethene	2500	2810		ug/Kg		113	48 - 133
1,2,4-Trichlorobenzene	2500	2320		ug/Kg		93	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1890		ug/Kg		76	56 - 122
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2410		ug/Kg		97	78 - 125
1,2-Dichloroethane	2500	2730		ug/Kg		109	74 - 127
1,2-Dichloropropane	2500	2490		ug/Kg		100	80 - 120
1,3-Dichlorobenzene	2500	2390		ug/Kg		96	80 - 120
1,4-Dichlorobenzene	2500	2430		ug/Kg		97	80 - 120
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Acetone	12500	10600		ug/Kg		85	47 - 141
Benzene	2500	2620		ug/Kg		105	77 - 125
Bromodichloromethane	2500	2760		ug/Kg		110	71 - 121
Bromoform	2500	2510		ug/Kg		101	48 - 125
Bromomethane	2500	3030		ug/Kg		121	39 - 149
Carbon disulfide	2500	2520		ug/Kg		101	40 - 136
Carbon tetrachloride	2500	3330		ug/Kg		133	54 - 135
Chlorobenzene	2500	2540		ug/Kg		101	76 - 126
Methyl ethyl ketone (MEK)	12500	11700		ug/Kg		94	54 - 149
Chloroethane	2500	2650		ug/Kg		106	23 - 150
Methyl isobutyl ketone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Chloroform	2500	2750		ug/Kg		110	78 - 120
Chloromethane	2500	2080		ug/Kg		83	61 - 124
cis-1,2-Dichloroethene	2500	2670		ug/Kg		107	79 - 124
cis-1,3-Dichloropropene	2500	2670		ug/Kg		107	75 - 121
Cyclohexane	2500	2650		ug/Kg		106	49 - 129
Dibromochloromethane	2500	2630		ug/Kg		105	64 - 120
Dichlorodifluoromethane	2500	2800		ug/Kg		112	10 - 150
Ethylbenzene	2500	2510		ug/Kg		100	78 - 124
Isopropylbenzene	2500	2370		ug/Kg		95	76 - 120
Methyl acetate	5000	4510		ug/Kg		90	71 - 123
Methyl tert-butyl ether	2500	2480		ug/Kg		99	67 - 137
Methylcyclohexane	2500	2980		ug/Kg		119	50 - 130

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

Lab Sample ID: LCS 480-552605/1-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			2500	2730		ug/Kg		109	75 - 118		
Styrene			2500	2550		ug/Kg		102	80 - 120		
Tetrachloroethene			2500	2620		ug/Kg		105	73 - 133		
Toluene			2500	2460		ug/Kg		98	75 - 124		
trans-1,2-Dichloroethene			2500	2720		ug/Kg		109	74 - 129		
trans-1,3-Dichloropropene			2500	2440		ug/Kg		98	73 - 120		
Trichloroethene			2500	2810		ug/Kg		112	75 - 131		
Trichlorofluoromethane			2500	3060		ug/Kg		123	29 - 158		
Vinyl chloride			2500	2420		ug/Kg		97	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*53 - 146*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*
Dibromofluoromethane (Surr)	*121*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Lab Sample ID: 480-175875-5 DU
Matrix: Solid
Analysis Batch: 333132

Client Sample ID: D-21 (2.25)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Matter	3.6			3.6		%				0.06	10
Ash Content	96.4			96.4		%				0	10
Moisture Content	20.5			20.9		%				2	10

GC/MS VOA

Analysis Batch: 552260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175875-8	TRIP BLANK_20200930	Total/NA	Water	8260C	
480-175875-9	FB-03_20200930	Total/NA	Water	8260C	
MB 480-552260/8	Method Blank	Total/NA	Water	8260C	
LCS 480-552260/6	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 552605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175875-1	D-19 (22.8)	Total/NA	Solid	5035A_H	
480-175875-2	D-20 (14.6)	Total/NA	Solid	5035A_H	
480-175875-3	D-21 (12.5)	Total/NA	Solid	5035A_H	
480-175875-4	D-21 (12.9)	Total/NA	Solid	5035A_H	
480-175875-6	D-21 (17.5)	Total/NA	Solid	5035A_H	
480-175875-7	D-21 (28.5)	Total/NA	Solid	5035A_H	
480-175875-10	DUP-05-20200930	Total/NA	Solid	5035A_H	
MB 480-552605/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-552605/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 552935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175875-1	D-19 (22.8)	Total/NA	Solid	8260C	552605
480-175875-2	D-20 (14.6)	Total/NA	Solid	8260C	552605
480-175875-3	D-21 (12.5)	Total/NA	Solid	8260C	552605
480-175875-4	D-21 (12.9)	Total/NA	Solid	8260C	552605
480-175875-6	D-21 (17.5)	Total/NA	Solid	8260C	552605
480-175875-7	D-21 (28.5)	Total/NA	Solid	8260C	552605
480-175875-10	DUP-05-20200930	Total/NA	Solid	8260C	552605
MB 480-552605/2-A	Method Blank	Total/NA	Solid	8260C	552605
LCS 480-552605/1-A	Lab Control Sample	Total/NA	Solid	8260C	552605

General Chemistry

Analysis Batch: 552168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175875-1	D-19 (22.8)	Total/NA	Solid	Moisture	
480-175875-2	D-20 (14.6)	Total/NA	Solid	Moisture	
480-175875-3	D-21 (12.5)	Total/NA	Solid	Moisture	
480-175875-4	D-21 (12.9)	Total/NA	Solid	Moisture	
480-175875-6	D-21 (17.5)	Total/NA	Solid	Moisture	
480-175875-7	D-21 (28.5)	Total/NA	Solid	Moisture	
480-175875-10	DUP-05-20200930	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 333132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175875-5	D-21 (2.25)	Total/NA	Solid	ASTM D2974	
480-175875-5 DU	D-21 (2.25)	Total/NA	Solid	ASTM D2974	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-19 (22.8)
Date Collected: 09/30/20 10:55
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: D-19 (22.8)
Date Collected: 09/30/20 10:55
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-1
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		4	552935	10/08/20 11:11	RJF	TAL BUF

Client Sample ID: D-20 (14.6)
Date Collected: 09/30/20 12:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: D-20 (14.6)
Date Collected: 09/30/20 12:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-2
Matrix: Solid
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		8	552935	10/08/20 11:34	RJF	TAL BUF

Client Sample ID: D-21 (12.5)
Date Collected: 09/30/20 14:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: D-21 (12.5)
Date Collected: 09/30/20 14:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-3
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		40	552935	10/08/20 11:57	RJF	TAL BUF

Client Sample ID: D-21 (12.9)
Date Collected: 09/30/20 14:35
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: D-21 (12.9)
Date Collected: 09/30/20 14:35
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-4
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		40	552935	10/08/20 12:20	RJF	TAL BUF

Client Sample ID: D-21 (2.25)
Date Collected: 09/30/20 14:00
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	ASTM D2974		1	333132	10/12/20 19:41	PMH	TAL PIT

Client Sample ID: D-21 (17.5)
Date Collected: 09/30/20 15:10
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: D-21 (17.5)
Date Collected: 09/30/20 15:10
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-6
Matrix: Solid
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		40	552935	10/08/20 12:43	RJF	TAL BUF

Client Sample ID: D-21 (28.5)
Date Collected: 09/30/20 15:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: D-21 (28.5)
Date Collected: 09/30/20 15:50
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-7
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		4	552935	10/08/20 13:06	RJF	TAL BUF

Client Sample ID: TRIP BLANK_20200930
Date Collected: 09/30/20 16:40
Date Received: 10/01/20 10:00

Lab Sample ID: 480-175875-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552260	10/03/20 06:56	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Client Sample ID: FB-03_20200930

Lab Sample ID: 480-175875-9
Matrix: Water
Date Collected: 09/30/20 16:45
Date Received: 10/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552260	10/03/20 07:20	AMM	TAL BUF

Client Sample ID: DUP-05-20200930

Lab Sample ID: 480-175875-10
Matrix: Solid
Date Collected: 09/30/20 00:00
Date Received: 10/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552168	10/01/20 21:35	CDC	TAL BUF

Client Sample ID: DUP-05-20200930

Lab Sample ID: 480-175875-10
Matrix: Solid
Date Collected: 09/30/20 00:00
Percent Solids: 88.7
Date Received: 10/01/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		40	552935	10/08/20 13:29	RJF	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-175875-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, 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	10-12-20

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
ASTM D2974		Solid	Ash Content
ASTM D2974		Solid	Moisture Content
ASTM D2974		Solid	Total Organic Matter

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
ASTM D2974	Moisture, Ash and Organic Matter	ASTM	TAL PIT
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175875-1	D-19 (22.8)	Solid	09/30/20 10:55	10/01/20 10:00	
480-175875-2	D-20 (14.6)	Solid	09/30/20 12:50	10/01/20 10:00	
480-175875-3	D-21 (12.5)	Solid	09/30/20 14:40	10/01/20 10:00	
480-175875-4	D-21 (12.9)	Solid	09/30/20 14:35	10/01/20 10:00	
480-175875-5	D-21 (2.25)	Solid	09/30/20 14:00	10/01/20 10:00	
480-175875-6	D-21 (17.5)	Solid	09/30/20 15:10	10/01/20 10:00	
480-175875-7	D-21 (28.5)	Solid	09/30/20 15:50	10/01/20 10:00	
480-175875-8	TRIP BLANK_20200930	Water	09/30/20 16:40	10/01/20 10:00	
480-175875-9	FB-03_20200930	Water	09/30/20 16:45	10/01/20 10:00	
480-175875-10	DUP-05-20200930	Solid	09/30/20 00:00	10/01/20 10:00	

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

Chain of Custody Record

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Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.13
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested	Preservation Codes: A - HCL M - Hexane
City: Clifton Park	TAT Requested (days): 10 days		
State, Zip: NY, 12065			
Phone: 518-250-7322(Tel)	PO #: 30002755.00043		
Email: mark.flusche@arcadis-us.com	WO #:		480-175875 Chain of Custody
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		L - EDA Z - other (specify)
Site:	SSOW#:		Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of contain	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-19 (22.8)	9/30/20	1055	G	Solid			X			1	
D-20 (14.6)	9/30/20	1250	G	Solid			X			1	
D-21 (12.5)	9/30/20	1410	G	Solid			X			1	
D-21 (12.9)	9/30/20	1435	G	Solid			X			1	
D-21 (2-2.5)	9/30/20	1400	G	Solid				X		1	
D-21 (17.5)	9/30/20	1510	G	Solid			X			1	
D-21 (28.5)	9/30/20	1550	G	Solid			X			1	
TRIP BLANK_20200930	9/30/20	1640	G	water					X	1	
FB-03_20200930	9/30/20	1645	G	water					X	3	
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	9-30-20	Arcadis		10/1/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 2.6

Ver: 01/16/2019

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

1GBB

Chain of Custody Record

480-175875 Chain of Custody

ofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	020.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York	Page 1 of 1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 10/13/2020		Job #: 480-175875-1
City: Pittsburgh	TAT Requested (days):		
State, Zip: PA, 15238			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:		
Email:	WO #:		
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D_2974/ Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
D-21 2.25 (480-175875-5)	9/30/20	14:00 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 10/1/20 1700	Company	Received by:	Date/Time: 10/2/20 900	Company ESSNA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175875-1

Login Number: 175875
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175875-1

Login Number: 175875
List Number: 2
Creator: Say, Thomas C

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 10/02/20 11:09 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175918-1
Laboratory Sample Delivery Group: 480-175918-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
10/21/2020 6:48:26 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-175918-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175918-1

Comments
No additional comments.

Receipt
The samples were received on 10/2/2020 10:00 AM and 10/3/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8º C and 3.3º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-552847 recovered above the upper control limit for Vinyl chloride, Chloromethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: Trip Blank_20201002 (480-175976-1) and FB-06-20201002 (480-175976-4).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-552935 recovered above the upper control limit for Carbon tetrachloride, Dibromochloromethane, and 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-23 (14.5) (480-175918-3), D-23 (21.5) (480-175918-4), D-24 (30.3) (480-175918-5) and D-24 (31.5) (480-175918-6).

Method 8260C: Surrogate recovery in the continuing calibration verification (CCV) was outside the 20%D recovery but within house limits. The following samples are impacted: D-23 (14.5) (480-175918-3), D-23 (21.5) (480-175918-4), D-24 (30.3) (480-175918-5) and D-24 (31.5) (480-175918-6)

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-22 (15.5) (480-175918-1), D-22 (16.5) (480-175918-2), D-25 (15.5) (480-175976-2), D-23 (14.5) (480-175918-3), D-23 (21.5) (480-175918-4), D-24 (30.3) (480-175918-5), D-24 (31.5) (480-175918-6), S-16 (1.1-1.3) (480-175976-7), S-17 (0.6) (480-175976-8), S-17 (0.7-0.9) (480-175976-9), D-26 (23.5) (480-175976-10), D-26 (25.5) (480-175976-11), S-14 (0.4-0.6) (480-175976-12), D-26 (26.5) (480-175976-13), D-26 (29.5) (480-175976-14), (480-175976-A-14-B MS) and (480-175976-A-14-C MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-553042 recovered outside acceptance criteria, low biased, for Vinyl chloride, Chloromethane, and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are impacted: D-22 (15.5) (480-175918-1), D-22 (16.5) (480-175918-2), D-25 (15.5) (480-175976-2), D-25 (17.5) (480-175976-3), S-15 (0.5-.07) (480-175976-6), S-16 (1.1-1.3) (480-175976-7), S-17 (0.6) (480-175976-8), S-17 (0.7-0.9) (480-175976-9), D-26 (23.5) (480-175976-10), D-26 (25.5) (480-175976-11), S-14 (0.4-0.6) (480-175976-12), D-26 (26.5) (480-175976-13) and D-26 (29.5) (480-175976-14).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-552627 and analytical batch 480-553042 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are impacted: (480-175976-A-14-B MS) and (480-175976-A-14-C MSD).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-553195 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated sample is impacted: S-14 (0.6-0.8) (480-175976-5).

Method 8260C: The following samples were diluted due to the abundance of target analytes : D-22 (15.5) MS (480-175918-1[MS]) and D-22 (15.5) MSD (480-175918-1[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-22 (15.5) — Lab Sample ID: 480-175918-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		4600		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-22 (16.5) — Lab Sample ID: 480-175918-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2300		2300		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	87000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-23 (14.5) — Lab Sample ID: 480-175918-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	22000		450		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-23 (21.5) — Lab Sample ID: 480-175918-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	40000		930		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-24 (30.3) — Lab Sample ID: 480-175918-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9700		260		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-24 (31.5) — Lab Sample ID: 480-175918-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	220		200		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	12000		200		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: Trip Blank_20201001 — Lab Sample ID: 480-175918-7

No Detections.

Client Sample ID: FB-04_20201001 — Lab Sample ID: 480-175918-8

No Detections.

Client Sample ID: FB-05_20201001 — Lab Sample ID: 480-175918-9

No Detections.

Client Sample ID: Trip Blank_20201002 — Lab Sample ID: 480-175976-1

No Detections.

Client Sample ID: D-25 (15.5) — Lab Sample ID: 480-175976-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	61000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-25 (17.5) — Lab Sample ID: 480-175976-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	59000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: FB-06-20201002 — Lab Sample ID: 480-175976-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: S-14 (0.6-0.8) — Lab Sample ID: 480-175976-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		6300		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: S-15 (0.5-.07) — Lab Sample ID: 480-175976-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	15000		420		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: S-16 (1.1-1.3) — Lab Sample ID: 480-175976-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15000		520		ug/Kg	4	☼	8260C	Total/NA
trans-1,2-Dichloroethene	730		520		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	41000		520		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: S-17 (0.6) — Lab Sample ID: 480-175976-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	300		110		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	170		110		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	7400		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: S-17 (0.7-0.9) — Lab Sample ID: 480-175976-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	840		470		ug/Kg	4	☼	8260C	Total/NA
cis-1,2-Dichloroethene	560		470		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	29000		470		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-26 (23.5) — Lab Sample ID: 480-175976-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6000		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	1400		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	54000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-26 (25.5) — Lab Sample ID: 480-175976-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	6400		2300		ug/Kg	20	☼	8260C	Total/NA
Toluene	2300		2300		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	82000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: S-14 (0.4-0.6) — Lab Sample ID: 480-175976-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9300		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-26 (26.5) — Lab Sample ID: 480-175976-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3500		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene	1900		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	60000		1100		ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (29.5)

Lab Sample ID: 480-175976-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	8400	F1	2400		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	120000		2400		ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-22 (15.5)

Date Collected: 10/01/20 09:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-1

Matrix: Solid
Percent Solids: 89.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,1,2,2-Tetrachloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,1,2-Trichloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,1-Dichloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,1-Dichloroethene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2,4-Trichlorobenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2-Dibromo-3-Chloropropane	ND	F1	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2-Dibromoethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2-Dichlorobenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2-Dichloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,2-Dichloropropane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,3-Dichlorobenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
1,4-Dichlorobenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methyl ethyl ketone (MEK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
2-Hexanone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methyl isobutyl ketone (MIBK)	ND		23000		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Acetone	ND		23000		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Benzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Bromodichloromethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Bromoform	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Bromomethane	ND	F2 F1	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Carbon disulfide	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Carbon tetrachloride	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Chlorobenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Chloroethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Chloroform	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Chloromethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
cis-1,2-Dichloroethene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
cis-1,3-Dichloropropene	ND	F2	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Cyclohexane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Dibromochloromethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Dichlorodifluoromethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Ethylbenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Isopropylbenzene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methyl acetate	ND		23000		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methyl tert-butyl ether	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methylcyclohexane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Methylene Chloride	ND	F2 F1	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Styrene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Tetrachloroethene	ND	F1	4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Toluene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
trans-1,2-Dichloroethene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
trans-1,3-Dichloropropene	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Trichloroethene	**160000**		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Trichlorofluoromethane	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Vinyl chloride	ND		4600		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40
Xylenes, Total	ND	F1	9200		ug/Kg	☼	10/06/20 10:26	10/09/20 01:45	40

Client Sample ID: D-22 (15.5)
Date Collected: 10/01/20 09:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-1
Matrix: Solid
Percent Solids: 89.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	10/06/20 10:26	10/09/20 01:45	40
4-Bromofluorobenzene (Surr)	95		49 - 148	10/06/20 10:26	10/09/20 01:45	40
Dibromofluoromethane (Surr)	108		60 - 140	10/06/20 10:26	10/09/20 01:45	40
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:26	10/09/20 01:45	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-22 (16.5)
Date Collected: 10/01/20 09:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-2
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methyl ethyl ketone (MEK)	ND		12000		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
2-Hexanone	ND		12000		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methyl isobutyl ketone (MIBK)	ND		12000		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Acetone	ND		12000		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Benzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Bromodichloromethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Bromoform	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Bromomethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Carbon disulfide	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Chlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Chloroethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Chloroform	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Chloromethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Cyclohexane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Dibromochloromethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Ethylbenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Isopropylbenzene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methyl acetate	ND		12000		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methylcyclohexane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Methylene Chloride	**2300**		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Styrene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Tetrachloroethene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Toluene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Trichloroethene	**87000**		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Vinyl chloride	ND		2300		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20
Xylenes, Total	ND		4700		ug/Kg	☼	10/06/20 10:26	10/09/20 02:08	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-22 (16.5)
Date Collected: 10/01/20 09:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-2
Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	10/06/20 10:26	10/09/20 02:08	20
4-Bromofluorobenzene (Surr)	98		49 - 148	10/06/20 10:26	10/09/20 02:08	20
Dibromofluoromethane (Surr)	109		60 - 140	10/06/20 10:26	10/09/20 02:08	20
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:26	10/09/20 02:08	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-23 (14.5)
Date Collected: 10/01/20 10:40
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-3
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,1,2,2-Tetrachloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,1,2-Trichloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,1-Dichloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,1-Dichloroethene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2,4-Trichlorobenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2-Dibromoethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2-Dichlorobenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2-Dichloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,2-Dichloropropane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,3-Dichlorobenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
1,4-Dichlorobenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methyl ethyl ketone (MEK)	ND		2300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
2-Hexanone	ND		2300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Acetone	ND		2300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Benzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Bromodichloromethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Bromoform	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Bromomethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Carbon disulfide	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Carbon tetrachloride	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Chlorobenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Chloroethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Chloroform	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Chloromethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
cis-1,2-Dichloroethene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
cis-1,3-Dichloropropene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Cyclohexane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Dibromochloromethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Dichlorodifluoromethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Ethylbenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Isopropylbenzene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methyl acetate	ND		2300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methyl tert-butyl ether	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methylcyclohexane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Methylene Chloride	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Styrene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Tetrachloroethene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Toluene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
trans-1,2-Dichloroethene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
trans-1,3-Dichloropropene	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Trichloroethene	**22000**		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Trichlorofluoromethane	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Vinyl chloride	ND		450		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4
Xylenes, Total	ND		900		ug/Kg	☼	10/06/20 10:26	10/08/20 15:02	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-23 (14.5)
Date Collected: 10/01/20 10:40
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-3
Matrix: Solid
Percent Solids: 90.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:26	10/08/20 15:02	4
4-Bromofluorobenzene (Surr)	99		49 - 148	10/06/20 10:26	10/08/20 15:02	4
Dibromofluoromethane (Surr)	109		60 - 140	10/06/20 10:26	10/08/20 15:02	4
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:26	10/08/20 15:02	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-23 (21.5)
Date Collected: 10/01/20 11:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-4
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,1,2,2-Tetrachloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,1,2-Trichloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,1-Dichloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,1-Dichloroethene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2,4-Trichlorobenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2-Dibromo-3-Chloropropane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2-Dibromoethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2-Dichlorobenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2-Dichloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,2-Dichloropropane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,3-Dichlorobenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
1,4-Dichlorobenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methyl ethyl ketone (MEK)	ND		4600		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
2-Hexanone	ND		4600		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methyl isobutyl ketone (MIBK)	ND		4600		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Acetone	ND		4600		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Benzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Bromodichloromethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Bromoform	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Bromomethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Carbon disulfide	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Carbon tetrachloride	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Chlorobenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Chloroethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Chloroform	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Chloromethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
cis-1,2-Dichloroethene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
cis-1,3-Dichloropropene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Cyclohexane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Dibromochloromethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Dichlorodifluoromethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Ethylbenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Isopropylbenzene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methyl acetate	ND		4600		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methyl tert-butyl ether	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methylcyclohexane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Methylene Chloride	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Styrene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Tetrachloroethene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Toluene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
trans-1,2-Dichloroethene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
trans-1,3-Dichloropropene	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Trichloroethene	**40000**		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Trichlorofluoromethane	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Vinyl chloride	ND		930		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8
Xylenes, Total	ND		1900		ug/Kg	☼	10/06/20 10:26	10/08/20 15:25	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-23 (21.5)
Date Collected: 10/01/20 11:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-4
Matrix: Solid
Percent Solids: 89.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	10/06/20 10:26	10/08/20 15:25	8
4-Bromofluorobenzene (Surr)	95		49 - 148	10/06/20 10:26	10/08/20 15:25	8
Dibromofluoromethane (Surr)	104		60 - 140	10/06/20 10:26	10/08/20 15:25	8
Toluene-d8 (Surr)	94		50 - 149	10/06/20 10:26	10/08/20 15:25	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-24 (30.3)
Date Collected: 10/01/20 15:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-5
Matrix: Solid
Percent Solids: 81.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,1,2,2-Tetrachloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,1,2-Trichloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,1-Dichloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,1-Dichloroethene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2,4-Trichlorobenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2-Dibromo-3-Chloropropane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2-Dibromoethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2-Dichlorobenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2-Dichloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,2-Dichloropropane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,3-Dichlorobenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
1,4-Dichlorobenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methyl ethyl ketone (MEK)	ND		1300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
2-Hexanone	ND		1300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methyl isobutyl ketone (MIBK)	ND		1300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Acetone	ND		1300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Benzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Bromodichloromethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Bromoform	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Bromomethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Carbon disulfide	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Carbon tetrachloride	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Chlorobenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Chloroethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Chloroform	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Chloromethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
cis-1,2-Dichloroethene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
cis-1,3-Dichloropropene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Cyclohexane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Dibromochloromethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Dichlorodifluoromethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Ethylbenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Isopropylbenzene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methyl acetate	ND		1300		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methyl tert-butyl ether	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methylcyclohexane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Methylene Chloride	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Styrene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Tetrachloroethene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Toluene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
trans-1,2-Dichloroethene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
trans-1,3-Dichloropropene	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Trichloroethene	**9700**		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Trichlorofluoromethane	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Vinyl chloride	ND		260		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2
Xylenes, Total	ND		520		ug/Kg	☼	10/06/20 10:26	10/08/20 15:48	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-24 (30.3)
Date Collected: 10/01/20 15:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-5
Matrix: Solid
Percent Solids: 81.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		53 - 146	10/06/20 10:26	10/08/20 15:48	2
4-Bromofluorobenzene (Surr)	93		49 - 148	10/06/20 10:26	10/08/20 15:48	2
Dibromofluoromethane (Surr)	107		60 - 140	10/06/20 10:26	10/08/20 15:48	2
Toluene-d8 (Surr)	93		50 - 149	10/06/20 10:26	10/08/20 15:48	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-24 (31.5)
Date Collected: 10/01/20 15:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-6
Matrix: Solid
Percent Solids: 96.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,1,2,2-Tetrachloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,1,2-Trichloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,1-Dichloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,1-Dichloroethene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2,4-Trichlorobenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2-Dibromo-3-Chloropropane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2-Dibromoethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2-Dichlorobenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2-Dichloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,2-Dichloropropane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,3-Dichlorobenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
1,4-Dichlorobenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methyl ethyl ketone (MEK)	ND		1000		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
2-Hexanone	ND		1000		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methyl isobutyl ketone (MIBK)	ND		1000		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Acetone	ND		1000		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Benzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Bromodichloromethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Bromoform	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Bromomethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Carbon disulfide	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Carbon tetrachloride	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Chlorobenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Chloroethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Chloroform	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Chloromethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
cis-1,2-Dichloroethene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
cis-1,3-Dichloropropene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Cyclohexane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Dibromochloromethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Dichlorodifluoromethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Ethylbenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Isopropylbenzene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methyl acetate	ND		1000		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methyl tert-butyl ether	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methylcyclohexane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Methylene Chloride	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Styrene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Tetrachloroethene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Toluene	**220**		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
trans-1,2-Dichloroethene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
trans-1,3-Dichloropropene	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Trichloroethene	**12000**		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Trichlorofluoromethane	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Vinyl chloride	ND		200		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2
Xylenes, Total	ND		400		ug/Kg	☼	10/06/20 10:26	10/08/20 16:11	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-24 (31.5)
Date Collected: 10/01/20 15:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-6
Matrix: Solid
Percent Solids: 96.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	10/06/20 10:26	10/08/20 16:11	2
4-Bromofluorobenzene (Surr)	94		49 - 148	10/06/20 10:26	10/08/20 16:11	2
Dibromofluoromethane (Surr)	100		60 - 140	10/06/20 10:26	10/08/20 16:11	2
Toluene-d8 (Surr)	93		50 - 149	10/06/20 10:26	10/08/20 16:11	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: Trip Blank_20201001
Date Collected: 10/01/20 16:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 07:44	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 07:44	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 07:44	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 07:44	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 07:44	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 07:44	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 07:44	1
2-Hexanone	ND		10		ug/L			10/03/20 07:44	1
Acetone	ND		10		ug/L			10/03/20 07:44	1
Benzene	ND		5.0		ug/L			10/03/20 07:44	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 07:44	1
Bromoform	ND		5.0		ug/L			10/03/20 07:44	1
Bromomethane	ND		5.0		ug/L			10/03/20 07:44	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 07:44	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 07:44	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 07:44	1
Chloroethane	ND		5.0		ug/L			10/03/20 07:44	1
Chloroform	ND		5.0		ug/L			10/03/20 07:44	1
Chloromethane	ND		5.0		ug/L			10/03/20 07:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 07:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 07:44	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 07:44	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 07:44	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 07:44	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 07:44	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 07:44	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 07:44	1
Styrene	ND		5.0		ug/L			10/03/20 07:44	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 07:44	1
Toluene	ND		5.0		ug/L			10/03/20 07:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 07:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 07:44	1
Trichloroethene	ND		5.0		ug/L			10/03/20 07:44	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 07:44	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 07:44	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 07:44	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 07:44	1
Methyl acetate	ND		2.5		ug/L			10/03/20 07:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			10/03/20 07:44	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/20 07:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			10/03/20 07:44	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/20 07:44	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/20 07:44	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/20 07:44	1
Isopropylbenzene	ND		1.0		ug/L			10/03/20 07:44	1
Methylcyclohexane	ND		1.0		ug/L			10/03/20 07:44	1
Cyclohexane	ND		1.0		ug/L			10/03/20 07:44	1
1,2-Dibromoethane	ND		1.0		ug/L			10/03/20 07:44	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/20 07:44	1

Client Sample ID: Trip Blank_20201001

Date Collected: 10/01/20 16:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-7

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		77 - 120		10/03/20 07:44	1
4-Bromofluorobenzene (Surr)	106		73 - 120		10/03/20 07:44	1
Toluene-d8 (Surr)	100		80 - 120		10/03/20 07:44	1
Dibromofluoromethane (Surr)	111		75 - 123		10/03/20 07:44	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: FB-04_20201001
Date Collected: 10/01/20 16:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 08:08	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 08:08	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 08:08	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 08:08	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 08:08	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 08:08	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 08:08	1
2-Hexanone	ND		10		ug/L			10/03/20 08:08	1
Acetone	ND		10		ug/L			10/03/20 08:08	1
Benzene	ND		5.0		ug/L			10/03/20 08:08	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 08:08	1
Bromoform	ND		5.0		ug/L			10/03/20 08:08	1
Bromomethane	ND		5.0		ug/L			10/03/20 08:08	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 08:08	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 08:08	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 08:08	1
Chloroethane	ND		5.0		ug/L			10/03/20 08:08	1
Chloroform	ND		5.0		ug/L			10/03/20 08:08	1
Chloromethane	ND		5.0		ug/L			10/03/20 08:08	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 08:08	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 08:08	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 08:08	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 08:08	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 08:08	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 08:08	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 08:08	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 08:08	1
Styrene	ND		5.0		ug/L			10/03/20 08:08	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 08:08	1
Toluene	ND		5.0		ug/L			10/03/20 08:08	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 08:08	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 08:08	1
Trichloroethene	ND		5.0		ug/L			10/03/20 08:08	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 08:08	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 08:08	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 08:08	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 08:08	1
Methyl acetate	ND		2.5		ug/L			10/03/20 08:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			10/03/20 08:08	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/20 08:08	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			10/03/20 08:08	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:08	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/20 08:08	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:08	1
Isopropylbenzene	ND		1.0		ug/L			10/03/20 08:08	1
Methylcyclohexane	ND		1.0		ug/L			10/03/20 08:08	1
Cyclohexane	ND		1.0		ug/L			10/03/20 08:08	1
1,2-Dibromoethane	ND		1.0		ug/L			10/03/20 08:08	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:08	1

Client Sample ID: FB-04_20201001
Date Collected: 10/01/20 16:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		10/03/20 08:08	1
4-Bromofluorobenzene (Surr)	101		73 - 120		10/03/20 08:08	1
Toluene-d8 (Surr)	98		80 - 120		10/03/20 08:08	1
Dibromofluoromethane (Surr)	111		75 - 123		10/03/20 08:08	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: FB-05_20201001
Date Collected: 10/01/20 16:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 08:32	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 08:32	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 08:32	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 08:32	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 08:32	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 08:32	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 08:32	1
2-Hexanone	ND		10		ug/L			10/03/20 08:32	1
Acetone	ND		10		ug/L			10/03/20 08:32	1
Benzene	ND		5.0		ug/L			10/03/20 08:32	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 08:32	1
Bromoform	ND		5.0		ug/L			10/03/20 08:32	1
Bromomethane	ND		5.0		ug/L			10/03/20 08:32	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 08:32	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 08:32	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 08:32	1
Chloroethane	ND		5.0		ug/L			10/03/20 08:32	1
Chloroform	ND		5.0		ug/L			10/03/20 08:32	1
Chloromethane	ND		5.0		ug/L			10/03/20 08:32	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 08:32	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 08:32	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 08:32	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 08:32	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 08:32	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 08:32	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 08:32	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 08:32	1
Styrene	ND		5.0		ug/L			10/03/20 08:32	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 08:32	1
Toluene	ND		5.0		ug/L			10/03/20 08:32	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 08:32	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 08:32	1
Trichloroethene	ND		5.0		ug/L			10/03/20 08:32	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 08:32	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 08:32	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 08:32	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 08:32	1
Methyl acetate	ND		2.5		ug/L			10/03/20 08:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			10/03/20 08:32	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/20 08:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			10/03/20 08:32	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:32	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/20 08:32	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:32	1
Isopropylbenzene	ND		1.0		ug/L			10/03/20 08:32	1
Methylcyclohexane	ND		1.0		ug/L			10/03/20 08:32	1
Cyclohexane	ND		1.0		ug/L			10/03/20 08:32	1
1,2-Dibromoethane	ND		1.0		ug/L			10/03/20 08:32	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/20 08:32	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: FB-05_20201001
Date Collected: 10/01/20 16:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		77 - 120		10/03/20 08:32	1
4-Bromofluorobenzene (Surr)	108		73 - 120		10/03/20 08:32	1
Toluene-d8 (Surr)	99		80 - 120		10/03/20 08:32	1
Dibromofluoromethane (Surr)	111		75 - 123		10/03/20 08:32	1

Client Sample ID: Trip Blank_20201002

Date Collected: 10/02/20 08:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/08/20 01:52	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/08/20 01:52	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/08/20 01:52	1
1,1-Dichloroethane	ND		5.0		ug/L			10/08/20 01:52	1
1,1-Dichloroethene	ND		5.0		ug/L			10/08/20 01:52	1
1,2-Dichloroethane	ND		5.0		ug/L			10/08/20 01:52	1
1,2-Dichloropropane	ND		5.0		ug/L			10/08/20 01:52	1
2-Hexanone	ND		10		ug/L			10/08/20 01:52	1
Acetone	ND		10		ug/L			10/08/20 01:52	1
Benzene	ND		5.0		ug/L			10/08/20 01:52	1
Bromodichloromethane	ND		5.0		ug/L			10/08/20 01:52	1
Bromoform	ND		5.0		ug/L			10/08/20 01:52	1
Bromomethane	ND		5.0		ug/L			10/08/20 01:52	1
Carbon disulfide	ND		5.0		ug/L			10/08/20 01:52	1
Carbon tetrachloride	ND		5.0		ug/L			10/08/20 01:52	1
Chlorobenzene	ND		5.0		ug/L			10/08/20 01:52	1
Chloroethane	ND		5.0		ug/L			10/08/20 01:52	1
Chloroform	ND		5.0		ug/L			10/08/20 01:52	1
Chloromethane	ND		5.0		ug/L			10/08/20 01:52	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 01:52	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 01:52	1
Dibromochloromethane	ND		5.0		ug/L			10/08/20 01:52	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/08/20 01:52	1
Ethylbenzene	ND		5.0		ug/L			10/08/20 01:52	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/08/20 01:52	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/08/20 01:52	1
Methylene Chloride	ND		5.0		ug/L			10/08/20 01:52	1
Styrene	ND		5.0		ug/L			10/08/20 01:52	1
Tetrachloroethene	ND		5.0		ug/L			10/08/20 01:52	1
Toluene	ND		5.0		ug/L			10/08/20 01:52	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 01:52	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 01:52	1
Trichloroethene	ND		5.0		ug/L			10/08/20 01:52	1
Trichlorofluoromethane	ND		5.0		ug/L			10/08/20 01:52	1
Vinyl acetate	ND		5.0		ug/L			10/08/20 01:52	1
Vinyl chloride	ND		5.0		ug/L			10/08/20 01:52	1
Xylenes, Total	ND		5.0		ug/L			10/08/20 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/08/20 01:52*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*10/08/20 01:52*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*10/08/20 01:52*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/08/20 01:52*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-25 (15.5)
Date Collected: 10/02/20 09:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-2
Matrix: Solid
Percent Solids: 90.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
2-Hexanone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Acetone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Benzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Bromodichloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Bromoform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Bromomethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Carbon disulfide	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Chlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Chloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Chloroform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Chloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Cyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Dibromochloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Ethylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Isopropylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methyl acetate	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methylcyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Methylene Chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Styrene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Tetrachloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Toluene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Trichloroethene	**61000**		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Vinyl chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10
Xylenes, Total	ND		2200		ug/Kg	☼	10/06/20 10:57	10/08/20 21:08	10

Client Sample ID: D-25 (15.5)
Date Collected: 10/02/20 09:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-2
Matrix: Solid
Percent Solids: 90.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	10/06/20 10:57	10/08/20 21:08	10
4-Bromofluorobenzene (Surr)	98		49 - 148	10/06/20 10:57	10/08/20 21:08	10
Dibromofluoromethane (Surr)	107		60 - 140	10/06/20 10:57	10/08/20 21:08	10
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:57	10/08/20 21:08	10

Client Sample ID: D-25 (17.5)

Date Collected: 10/02/20 09:40
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-3

Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
2-Hexanone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Acetone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Benzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Bromodichloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Bromoform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Bromomethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Carbon disulfide	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Chlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Chloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Chloroform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Chloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Cyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Dibromochloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Ethylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Isopropylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methyl acetate	ND		5600		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methylcyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Methylene Chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Styrene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Tetrachloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Toluene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Trichloroethene	**59000**		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Vinyl chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10
Xylenes, Total	ND		2300		ug/Kg	☼	10/06/20 10:57	10/08/20 21:31	10

Client Sample ID: D-25 (17.5)
Date Collected: 10/02/20 09:40
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-3
Matrix: Solid
Percent Solids: 90.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:57	10/08/20 21:31	10
4-Bromofluorobenzene (Surr)	96		49 - 148	10/06/20 10:57	10/08/20 21:31	10
Dibromofluoromethane (Surr)	106		60 - 140	10/06/20 10:57	10/08/20 21:31	10
Toluene-d8 (Surr)	95		50 - 149	10/06/20 10:57	10/08/20 21:31	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: FB-06-20201002
Date Collected: 10/02/20 11:00
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/08/20 02:17	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/08/20 02:17	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/08/20 02:17	1
1,1-Dichloroethane	ND		5.0		ug/L			10/08/20 02:17	1
1,1-Dichloroethene	ND		5.0		ug/L			10/08/20 02:17	1
1,2-Dichloroethane	ND		5.0		ug/L			10/08/20 02:17	1
1,2-Dichloropropane	ND		5.0		ug/L			10/08/20 02:17	1
2-Hexanone	ND		10		ug/L			10/08/20 02:17	1
Acetone	ND		10		ug/L			10/08/20 02:17	1
Benzene	ND		5.0		ug/L			10/08/20 02:17	1
Bromodichloromethane	ND		5.0		ug/L			10/08/20 02:17	1
Bromoform	ND		5.0		ug/L			10/08/20 02:17	1
Bromomethane	ND		5.0		ug/L			10/08/20 02:17	1
Carbon disulfide	ND		5.0		ug/L			10/08/20 02:17	1
Carbon tetrachloride	ND		5.0		ug/L			10/08/20 02:17	1
Chlorobenzene	ND		5.0		ug/L			10/08/20 02:17	1
Chloroethane	ND		5.0		ug/L			10/08/20 02:17	1
Chloroform	ND		5.0		ug/L			10/08/20 02:17	1
Chloromethane	ND		5.0		ug/L			10/08/20 02:17	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 02:17	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 02:17	1
Dibromochloromethane	ND		5.0		ug/L			10/08/20 02:17	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/08/20 02:17	1
Ethylbenzene	ND		5.0		ug/L			10/08/20 02:17	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/08/20 02:17	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/08/20 02:17	1
Methylene Chloride	ND		5.0		ug/L			10/08/20 02:17	1
Styrene	ND		5.0		ug/L			10/08/20 02:17	1
Tetrachloroethene	ND		5.0		ug/L			10/08/20 02:17	1
Toluene	ND		5.0		ug/L			10/08/20 02:17	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 02:17	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 02:17	1
Trichloroethene	ND		5.0		ug/L			10/08/20 02:17	1
Trichlorofluoromethane	ND		5.0		ug/L			10/08/20 02:17	1
Vinyl acetate	ND		5.0		ug/L			10/08/20 02:17	1
Vinyl chloride	ND		5.0		ug/L			10/08/20 02:17	1
Xylenes, Total	ND		5.0		ug/L			10/08/20 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/08/20 02:17*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/08/20 02:17*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*10/08/20 02:17*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*10/08/20 02:17*	*1*

Client Sample ID: S-14 (0.6-0.8)
Date Collected: 10/02/20 11:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-5
Matrix: Solid
Percent Solids: 85.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,1,2,2-Tetrachloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,1,2-Trichloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,1-Dichloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,1-Dichloroethene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2,4-Trichlorobenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2-Dibromo-3-Chloropropane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2-Dibromoethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2-Dichlorobenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2-Dichloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,2-Dichloropropane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,3-Dichlorobenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
1,4-Dichlorobenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methyl ethyl ketone (MEK)	ND		31000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
2-Hexanone	ND		31000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methyl isobutyl ketone (MIBK)	ND		31000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Acetone	ND		31000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Benzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Bromodichloromethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Bromoform	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Bromomethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Carbon disulfide	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Carbon tetrachloride	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Chlorobenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Chloroethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Chloroform	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Chloromethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
cis-1,2-Dichloroethene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
cis-1,3-Dichloropropene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Cyclohexane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Dibromochloromethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Dichlorodifluoromethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Ethylbenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Isopropylbenzene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methyl acetate	ND		31000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methyl tert-butyl ether	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methylcyclohexane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Methylene Chloride	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Styrene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Tetrachloroethene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Toluene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
trans-1,2-Dichloroethene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
trans-1,3-Dichloropropene	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Trichloroethene	**160000**		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Trichlorofluoromethane	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Vinyl chloride	ND		6300		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50
Xylenes, Total	ND		13000		ug/Kg	☼	10/06/20 10:57	10/09/20 11:52	50

Client Sample ID: S-14 (0.6-0.8)
Date Collected: 10/02/20 11:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-5
Matrix: Solid
Percent Solids: 85.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:57	10/09/20 11:52	50
4-Bromofluorobenzene (Surr)	99		49 - 148	10/06/20 10:57	10/09/20 11:52	50
Dibromofluoromethane (Surr)	108		60 - 140	10/06/20 10:57	10/09/20 11:52	50
Toluene-d8 (Surr)	94		50 - 149	10/06/20 10:57	10/09/20 11:52	50

Client Sample ID: S-15 (0.5-.07)
Date Collected: 10/02/20 11:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-6
Matrix: Solid
Percent Solids: 96.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,1,2,2-Tetrachloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,1,2-Trichloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,1-Dichloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,1-Dichloroethene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2,4-Trichlorobenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2-Dibromo-3-Chloropropane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2-Dibromoethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2-Dichlorobenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2-Dichloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,2-Dichloropropane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,3-Dichlorobenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
1,4-Dichlorobenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methyl ethyl ketone (MEK)	ND		2100		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
2-Hexanone	ND		2100		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methyl isobutyl ketone (MIBK)	ND		2100		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Acetone	ND		2100		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Benzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Bromodichloromethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Bromoform	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Bromomethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Carbon disulfide	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Carbon tetrachloride	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Chlorobenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Chloroethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Chloroform	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Chloromethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
cis-1,2-Dichloroethene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
cis-1,3-Dichloropropene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Cyclohexane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Dibromochloromethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Dichlorodifluoromethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Ethylbenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Isopropylbenzene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methyl acetate	ND		2100		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methyl tert-butyl ether	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methylcyclohexane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Methylene Chloride	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Styrene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Tetrachloroethene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Toluene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
trans-1,2-Dichloroethene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
trans-1,3-Dichloropropene	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Trichloroethene	**15000**		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Trichlorofluoromethane	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Vinyl chloride	ND		420		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4
Xylenes, Total	ND		830		ug/Kg	☼	10/06/20 10:57	10/08/20 22:17	4

Client Sample ID: S-15 (0.5-.07)
Date Collected: 10/02/20 11:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-6
Matrix: Solid
Percent Solids: 96.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:57	10/08/20 22:17	4
4-Bromofluorobenzene (Surr)	96		49 - 148	10/06/20 10:57	10/08/20 22:17	4
Dibromofluoromethane (Surr)	106		60 - 140	10/06/20 10:57	10/08/20 22:17	4
Toluene-d8 (Surr)	94		50 - 149	10/06/20 10:57	10/08/20 22:17	4

Client Sample ID: S-16 (1.1-1.3)

Date Collected: 10/02/20 12:05
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-7

Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,1,2,2-Tetrachloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,1,2-Trichloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,1-Dichloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,1-Dichloroethene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2,4-Trichlorobenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2-Dibromo-3-Chloropropane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2-Dibromoethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2-Dichlorobenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2-Dichloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,2-Dichloropropane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,3-Dichlorobenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
1,4-Dichlorobenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methyl ethyl ketone (MEK)	ND		2600		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
2-Hexanone	ND		2600		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methyl isobutyl ketone (MIBK)	ND		2600		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Acetone	ND		2600		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Benzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Bromodichloromethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Bromoform	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Bromomethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Carbon disulfide	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Carbon tetrachloride	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Chlorobenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Chloroethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Chloroform	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Chloromethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
cis-1,2-Dichloroethene	**15000**		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
cis-1,3-Dichloropropene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Cyclohexane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Dibromochloromethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Dichlorodifluoromethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Ethylbenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Isopropylbenzene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methyl acetate	ND		2600		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methyl tert-butyl ether	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methylcyclohexane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Methylene Chloride	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Styrene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Tetrachloroethene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Toluene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
trans-1,2-Dichloroethene	**730**		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
trans-1,3-Dichloropropene	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Trichloroethene	**41000**		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Trichlorofluoromethane	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Vinyl chloride	ND		520		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4
Xylenes, Total	ND		1000		ug/Kg	☼	10/06/20 10:57	10/08/20 22:40	4

Client Sample ID: S-16 (1.1-1.3)
Date Collected: 10/02/20 12:05
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-7
Matrix: Solid
Percent Solids: 83.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		53 - 146	10/06/20 10:57	10/08/20 22:40	4
4-Bromofluorobenzene (Surr)	95		49 - 148	10/06/20 10:57	10/08/20 22:40	4
Dibromofluoromethane (Surr)	109		60 - 140	10/06/20 10:57	10/08/20 22:40	4
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:57	10/08/20 22:40	4

Client Sample ID: S-17 (0.6)

Date Collected: 10/02/20 12:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-8

Matrix: Solid
Percent Solids: 91.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**300**		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methyl ethyl ketone (MEK)	ND		560		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
2-Hexanone	ND		560		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methyl isobutyl ketone (MIBK)	ND		560		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Acetone	ND		560		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Benzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Bromodichloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Bromoform	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Bromomethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Carbon disulfide	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Carbon tetrachloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Chlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Chloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Chloroform	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Chloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
cis-1,2-Dichloroethene	**170**		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Cyclohexane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Dibromochloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Ethylbenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Isopropylbenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methyl acetate	ND		560		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methylcyclohexane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Methylene Chloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Styrene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Tetrachloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Toluene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Trichloroethene	**7400**		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Vinyl chloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1
Xylenes, Total	ND		220		ug/Kg	☼	10/06/20 10:57	10/08/20 23:03	1

Client Sample ID: S-17 (0.6)
Date Collected: 10/02/20 12:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-8
Matrix: Solid
Percent Solids: 91.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	10/06/20 10:57	10/08/20 23:03	1
4-Bromofluorobenzene (Surr)	96		49 - 148	10/06/20 10:57	10/08/20 23:03	1
Dibromofluoromethane (Surr)	106		60 - 140	10/06/20 10:57	10/08/20 23:03	1
Toluene-d8 (Surr)	94		50 - 149	10/06/20 10:57	10/08/20 23:03	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: S-17 (0.7-0.9)
Date Collected: 10/02/20 12:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-9
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,1,2,2-Tetrachloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,1,2-Trichloro-1,2,2-trifluoroethane	**840**		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,1,2-Trichloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,1-Dichloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,1-Dichloroethene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2,4-Trichlorobenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2-Dibromo-3-Chloropropane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2-Dibromoethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2-Dichlorobenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2-Dichloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,2-Dichloropropane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,3-Dichlorobenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
1,4-Dichlorobenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methyl ethyl ketone (MEK)	ND		2400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
2-Hexanone	ND		2400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methyl isobutyl ketone (MIBK)	ND		2400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Acetone	ND		2400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Benzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Bromodichloromethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Bromoform	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Bromomethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Carbon disulfide	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Carbon tetrachloride	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Chlorobenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Chloroethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Chloroform	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Chloromethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
cis-1,2-Dichloroethene	**560**		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
cis-1,3-Dichloropropene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Cyclohexane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Dibromochloromethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Dichlorodifluoromethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Ethylbenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Isopropylbenzene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methyl acetate	ND		2400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methyl tert-butyl ether	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methylcyclohexane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Methylene Chloride	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Styrene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Tetrachloroethene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Toluene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
trans-1,2-Dichloroethene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
trans-1,3-Dichloropropene	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Trichloroethene	**29000**		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Trichlorofluoromethane	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Vinyl chloride	ND		470		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4
Xylenes, Total	ND		950		ug/Kg	☼	10/06/20 10:57	10/08/20 23:26	4

Client Sample ID: S-17 (0.7-0.9)
Date Collected: 10/02/20 12:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-9
Matrix: Solid
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	10/06/20 10:57	10/08/20 23:26	4
4-Bromofluorobenzene (Surr)	92		49 - 148	10/06/20 10:57	10/08/20 23:26	4
Dibromofluoromethane (Surr)	104		60 - 140	10/06/20 10:57	10/08/20 23:26	4
Toluene-d8 (Surr)	93		50 - 149	10/06/20 10:57	10/08/20 23:26	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (23.5)
Date Collected: 10/02/20 13:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-10
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methyl ethyl ketone (MEK)	ND		5400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
2-Hexanone	ND		5400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methyl isobutyl ketone (MIBK)	ND		5400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Acetone	ND		5400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Benzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Bromodichloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Bromoform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Bromomethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Carbon disulfide	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Chlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Chloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Chloroform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Chloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
cis-1,2-Dichloroethene	**6000**		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Cyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Dibromochloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Ethylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Isopropylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methyl acetate	ND		5400		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methylcyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Methylene Chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Styrene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Tetrachloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Toluene	**1400**		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Trichloroethene	**54000**		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Vinyl chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10
Xylenes, Total	ND		2200		ug/Kg	☼	10/06/20 10:57	10/08/20 23:49	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (23.5)
Date Collected: 10/02/20 13:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-10
Matrix: Solid
Percent Solids: 92.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	10/06/20 10:57	10/08/20 23:49	10
4-Bromofluorobenzene (Surr)	92		49 - 148	10/06/20 10:57	10/08/20 23:49	10
Dibromofluoromethane (Surr)	109		60 - 140	10/06/20 10:57	10/08/20 23:49	10
Toluene-d8 (Surr)	92		50 - 149	10/06/20 10:57	10/08/20 23:49	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (25.5)
Date Collected: 10/02/20 13:50
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-11
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methyl ethyl ketone (MEK)	ND		11000		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
2-Hexanone	ND		11000		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methyl isobutyl ketone (MIBK)	ND		11000		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Acetone	ND		11000		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Benzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Bromodichloromethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Bromoform	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Bromomethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Carbon disulfide	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Chlorobenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Chloroethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Chloroform	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Chloromethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
cis-1,2-Dichloroethene	**6400**		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Cyclohexane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Dibromochloromethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Ethylbenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Isopropylbenzene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methyl acetate	ND		11000		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methylcyclohexane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Methylene Chloride	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Styrene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Tetrachloroethene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Toluene	**2300**		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Trichloroethene	**82000**		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Vinyl chloride	ND		2300		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20
Xylenes, Total	ND		4500		ug/Kg	☼	10/06/20 10:57	10/09/20 00:12	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (25.5)
Date Collected: 10/02/20 13:50
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-11
Matrix: Solid
Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	10/06/20 10:57	10/09/20 00:12	20
4-Bromofluorobenzene (Surr)	94		49 - 148	10/06/20 10:57	10/09/20 00:12	20
Dibromofluoromethane (Surr)	108		60 - 140	10/06/20 10:57	10/09/20 00:12	20
Toluene-d8 (Surr)	93		50 - 149	10/06/20 10:57	10/09/20 00:12	20

Client Sample ID: S-14 (0.4-0.6)
Date Collected: 10/02/20 11:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-12
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methyl ethyl ketone (MEK)	ND		550		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
2-Hexanone	ND		550		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methyl isobutyl ketone (MIBK)	ND		550		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Acetone	ND		550		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Benzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Bromodichloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Bromoform	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Bromomethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Carbon disulfide	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Carbon tetrachloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Chlorobenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Chloroethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Chloroform	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Chloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Cyclohexane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Dibromochloromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Ethylbenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Isopropylbenzene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methyl acetate	ND		550		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methylcyclohexane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Methylene Chloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Styrene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Tetrachloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Toluene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Trichloroethene	**9300**		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Vinyl chloride	ND		110		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1
Xylenes, Total	ND		220		ug/Kg	☼	10/06/20 10:57	10/09/20 00:35	1

Client Sample ID: S-14 (0.4-0.6)
Date Collected: 10/02/20 11:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-12
Matrix: Solid
Percent Solids: 92.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	10/06/20 10:57	10/09/20 00:35	1
4-Bromofluorobenzene (Surr)	93		49 - 148	10/06/20 10:57	10/09/20 00:35	1
Dibromofluoromethane (Surr)	103		60 - 140	10/06/20 10:57	10/09/20 00:35	1
Toluene-d8 (Surr)	95		50 - 149	10/06/20 10:57	10/09/20 00:35	1

Client Sample ID: D-26 (26.5)

Date Collected: 10/02/20 13:55
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-13

Matrix: Solid
Percent Solids: 91.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
2-Hexanone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Acetone	ND		5600		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Benzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Bromodichloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Bromoform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Bromomethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Carbon disulfide	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Chlorobenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Chloroethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Chloroform	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Chloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
cis-1,2-Dichloroethene	**3500**		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Cyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Dibromochloromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Ethylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Isopropylbenzene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methyl acetate	ND		5600		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methylcyclohexane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Methylene Chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Styrene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Tetrachloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Toluene	**1900**		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Trichloroethene	**60000**		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Vinyl chloride	ND		1100		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10
Xylenes, Total	ND		2200		ug/Kg	☼	10/06/20 10:57	10/09/20 00:58	10

Client Sample ID: D-26 (26.5)
Date Collected: 10/02/20 13:55
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-13
Matrix: Solid
Percent Solids: 91.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:57	10/09/20 00:58	10
4-Bromofluorobenzene (Surr)	93		49 - 148	10/06/20 10:57	10/09/20 00:58	10
Dibromofluoromethane (Surr)	102		60 - 140	10/06/20 10:57	10/09/20 00:58	10
Toluene-d8 (Surr)	93		50 - 149	10/06/20 10:57	10/09/20 00:58	10

Client Sample ID: D-26 (29.5)

Date Collected: 10/02/20 14:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-14

Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1 F2	2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,1,2,2-Tetrachloroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,1,2-Trichloroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,1-Dichloroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,1-Dichloroethene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2,4-Trichlorobenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2-Dibromo-3-Chloropropane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2-Dibromoethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2-Dichlorobenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2-Dichloroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,2-Dichloropropane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,3-Dichlorobenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
1,4-Dichlorobenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methyl ethyl ketone (MEK)	ND		12000		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
2-Hexanone	ND		12000		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methyl isobutyl ketone (MIBK)	ND		12000		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Acetone	ND		12000		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Benzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Bromodichloromethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Bromoform	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Bromomethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Carbon disulfide	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Carbon tetrachloride	ND	F1	2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Chlorobenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Chloroethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Chloroform	ND	F1	2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Chloromethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
cis-1,2-Dichloroethene	**8400**	**F1**	2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
cis-1,3-Dichloropropene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Cyclohexane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Dibromochloromethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Dichlorodifluoromethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Ethylbenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Isopropylbenzene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methyl acetate	ND		12000		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methyl tert-butyl ether	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methylcyclohexane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Methylene Chloride	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Styrene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Tetrachloroethene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Toluene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
trans-1,2-Dichloroethene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
trans-1,3-Dichloropropene	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Trichloroethene	**120000**		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Trichlorofluoromethane	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Vinyl chloride	ND		2400		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20
Xylenes, Total	ND	F1	4900		ug/Kg	☼	10/06/20 10:57	10/09/20 01:22	20

Client Sample ID: D-26 (29.5)
Date Collected: 10/02/20 14:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-14
Matrix: Solid
Percent Solids: 86.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	10/06/20 10:57	10/09/20 01:22	20
4-Bromofluorobenzene (Surr)	96		49 - 148	10/06/20 10:57	10/09/20 01:22	20
Dibromofluoromethane (Surr)	109		60 - 140	10/06/20 10:57	10/09/20 01:22	20
Toluene-d8 (Surr)	96		50 - 149	10/06/20 10:57	10/09/20 01:22	20

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-175918-1	D-22 (15.5)	103	95	108	96
480-175918-1 MS	D-22 (15.5) MS	102	95	106	92
480-175918-1 MSD	D-22 (15.5) MSD	102	98	105	95
480-175918-2	D-22 (16.5)	104	98	109	96
480-175918-3	D-23 (14.5)	105	99	109	96
480-175918-4	D-23 (21.5)	106	95	104	94
480-175918-5	D-24 (30.3)	108	93	107	93
480-175918-6	D-24 (31.5)	103	94	100	93
480-175976-2	D-25 (15.5)	106	98	107	96
480-175976-3	D-25 (17.5)	105	96	106	95
480-175976-5	S-14 (0.6-0.8)	105	99	108	94
480-175976-6	S-15 (0.5-.07)	105	96	106	94
480-175976-7	S-16 (1.1-1.3)	106	95	109	96
480-175976-8	S-17 (0.6)	104	96	106	94
480-175976-9	S-17 (0.7-0.9)	101	92	104	93
480-175976-10	D-26 (23.5)	107	92	109	92
480-175976-11	D-26 (25.5)	107	94	108	93
480-175976-12	S-14 (0.4-0.6)	102	93	103	95
480-175976-13	D-26 (26.5)	105	93	102	93
480-175976-14	D-26 (29.5)	105	96	109	96
480-175976-14 MS	D-26 (29.5)	110	95	107	94
480-175976-14 MSD	D-26 (29.5)	102	95	109	93
LCS 480-552605/1-A	Lab Control Sample	115	111	121	104
LCS 480-552627/1-A	Lab Control Sample	104	97	107	95
MB 480-552605/2-A	Method Blank	112	109	114	103
MB 480-552627/2-A	Method Blank	104	95	104	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175918-7	Trip Blank_20201001	114	106	100	111
480-175918-8	FB-04_20201001	116	101	98	111
480-175918-9	FB-05_20201001	117	108	99	111
480-175976-1	Trip Blank_20201002	109	92	90	108
480-175976-4	FB-06-20201002	112	103	92	109
LCS 480-552260/6	Lab Control Sample	113	110	104	108
LCS 480-552847/6	Lab Control Sample	105	109	98	108
MB 480-552260/8	Method Blank	117	103	100	107
MB 480-552847/8	Method Blank	109	97	91	111

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-552260/8
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1-Dichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,1-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dichloroethane	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dichloropropane	ND		5.0		ug/L			10/03/20 01:19	1
2-Hexanone	ND		10		ug/L			10/03/20 01:19	1
Acetone	ND		10		ug/L			10/03/20 01:19	1
Benzene	ND		5.0		ug/L			10/03/20 01:19	1
Bromodichloromethane	ND		5.0		ug/L			10/03/20 01:19	1
Bromoform	ND		5.0		ug/L			10/03/20 01:19	1
Bromomethane	ND		5.0		ug/L			10/03/20 01:19	1
Carbon disulfide	ND		5.0		ug/L			10/03/20 01:19	1
Carbon tetrachloride	ND		5.0		ug/L			10/03/20 01:19	1
Chlorobenzene	ND		5.0		ug/L			10/03/20 01:19	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/03/20 01:19	1
Chloroethane	ND		5.0		ug/L			10/03/20 01:19	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/03/20 01:19	1
Chloroform	ND		5.0		ug/L			10/03/20 01:19	1
Chloromethane	ND		5.0		ug/L			10/03/20 01:19	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 01:19	1
Dibromochloromethane	ND		5.0		ug/L			10/03/20 01:19	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/03/20 01:19	1
Ethylbenzene	ND		5.0		ug/L			10/03/20 01:19	1
Vinyl acetate	ND		5.0		ug/L			10/03/20 01:19	1
Methyl acetate	ND		2.5		ug/L			10/03/20 01:19	1
Methylene Chloride	ND		5.0		ug/L			10/03/20 01:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			10/03/20 01:19	1
Styrene	ND		5.0		ug/L			10/03/20 01:19	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/03/20 01:19	1
Tetrachloroethene	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			10/03/20 01:19	1
Toluene	ND		5.0		ug/L			10/03/20 01:19	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/03/20 01:19	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/03/20 01:19	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/03/20 01:19	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/03/20 01:19	1
Isopropylbenzene	ND		1.0		ug/L			10/03/20 01:19	1
Trichloroethene	ND		5.0		ug/L			10/03/20 01:19	1
Methylcyclohexane	ND		1.0		ug/L			10/03/20 01:19	1
Trichlorofluoromethane	ND		5.0		ug/L			10/03/20 01:19	1
Cyclohexane	ND		1.0		ug/L			10/03/20 01:19	1
Vinyl chloride	ND		5.0		ug/L			10/03/20 01:19	1
1,2-Dibromoethane	ND		1.0		ug/L			10/03/20 01:19	1
Xylenes, Total	ND		5.0		ug/L			10/03/20 01:19	1

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

Lab Sample ID: MB 480-552260/8
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0		ug/L			10/03/20 01:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*10/03/20 01:19*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*10/03/20 01:19*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*10/03/20 01:19*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/03/20 01:19*	*1*

Lab Sample ID: LCS 480-552260/6
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.2		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120
1,1,2-Trichloroethane	25.0	25.9		ug/L		103	76 - 122
1,1-Dichloroethane	25.0	25.4		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	25.9		ug/L		104	66 - 127
1,2-Dichloroethane	25.0	26.4		ug/L		106	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		105	76 - 120
2-Hexanone	125	140		ug/L		112	65 - 127
Acetone	125	148		ug/L		119	56 - 142
Benzene	25.0	26.0		ug/L		104	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		105	80 - 122
Bromoform	25.0	25.8		ug/L		103	61 - 132
Bromomethane	25.0	23.5		ug/L		94	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	26.6		ug/L		107	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Methyl ethyl ketone (MEK)	125	145		ug/L		116	57 - 140
Chloroethane	25.0	24.2		ug/L		97	69 - 136
Methyl isobutyl ketone (MIBK)	125	132		ug/L		106	71 - 125
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.2		ug/L		105	74 - 124
Dibromochloromethane	25.0	26.5		ug/L		106	75 - 125
Dichlorodifluoromethane	25.0	28.4		ug/L		114	59 - 135
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
Methyl acetate	50.0	49.7		ug/L		99	74 - 133
Methylene Chloride	25.0	22.7		ug/L		91	75 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.9		ug/L		112	61 - 148
Styrene	25.0	26.4		ug/L		106	80 - 120
1,2,4-Trichlorobenzene	25.0	22.1		ug/L		88	79 - 122
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
1,2-Dibromo-3-Chloropropane	25.0	25.9		ug/L		104	56 - 134
Toluene	25.0	24.6		ug/L		98	80 - 122
1,3-Dichlorobenzene	25.0	24.4		ug/L		97	77 - 120

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

Lab Sample ID: LCS 480-552260/6
Matrix: Water
Analysis Batch: 552260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	25.0	25.3		ug/L		101	77 - 120
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
1,2-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 124
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Isopropylbenzene	25.0	24.0		ug/L		96	77 - 122
Trichloroethene	25.0	26.1		ug/L		104	74 - 123
Methylcyclohexane	25.0	26.5		ug/L		106	68 - 134
Trichlorofluoromethane	25.0	27.3		ug/L		109	62 - 150
Cyclohexane	25.0	26.8		ug/L		107	59 - 135
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133
1,2-Dibromoethane	25.0	25.4		ug/L		102	77 - 120
1,4-Dichlorobenzene	25.0	24.9		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 480-552605/2-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1,2-Trichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1-Dichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichloropropane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
2-Hexanone	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Acetone	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Benzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromodichloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromoform	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Bromomethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Carbon disulfide	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Carbon tetrachloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloroform	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Chloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Dibromochloromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1

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

Lab Sample ID: MB 480-552605/2-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552605

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Ethylbenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl acetate	ND		500		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methylene Chloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Styrene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Tetrachloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Toluene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,3-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methyl tert-butyl ether	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Isopropylbenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Trichloroethene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Methylcyclohexane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Trichlorofluoromethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Cyclohexane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Vinyl chloride	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,2-Dibromoethane	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
Xylenes, Total	ND		200		ug/Kg		10/06/20 10:26	10/08/20 10:27	1
1,4-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:26	10/08/20 10:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*53 - 146*	*10/06/20 10:26*	*10/08/20 10:27*	*1*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*10/06/20 10:26*	*10/08/20 10:27*	*1*
Dibromofluoromethane (Surr)	*114*		*60 - 140*	*10/06/20 10:26*	*10/08/20 10:27*	*1*
Toluene-d8 (Surr)	*103*		*50 - 149*	*10/06/20 10:26*	*10/08/20 10:27*	*1*

Lab Sample ID: LCS 480-552605/1-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2960		ug/Kg		118	68 - 130
1,1,2,2-Tetrachloroethane	2500	2100		ug/Kg		84	73 - 120
1,1,2-Trichloroethane	2500	2350		ug/Kg		94	80 - 120
1,1-Dichloroethane	2500	2490		ug/Kg		100	78 - 121
1,1-Dichloroethene	2500	2810		ug/Kg		113	48 - 133
1,2-Dichloroethane	2500	2730		ug/Kg		109	74 - 127
1,2-Dichloropropane	2500	2490		ug/Kg		100	80 - 120
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Acetone	12500	10600		ug/Kg		85	47 - 141
Benzene	2500	2620		ug/Kg		105	77 - 125
Bromodichloromethane	2500	2760		ug/Kg		110	71 - 121
Bromoform	2500	2510		ug/Kg		101	48 - 125

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

Lab Sample ID: LCS 480-552605/1-A
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	2500	3030		ug/Kg		121	39 - 149
Carbon disulfide	2500	2520		ug/Kg		101	40 - 136
Carbon tetrachloride	2500	3330		ug/Kg		133	54 - 135
Chlorobenzene	2500	2540		ug/Kg		101	76 - 126
Methyl ethyl ketone (MEK)	12500	11700		ug/Kg		94	54 - 149
Chloroethane	2500	2650		ug/Kg		106	23 - 150
Methyl isobutyl ketone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Chloroform	2500	2750		ug/Kg		110	78 - 120
Chloromethane	2500	2080		ug/Kg		83	61 - 124
cis-1,2-Dichloroethene	2500	2670		ug/Kg		107	79 - 124
cis-1,3-Dichloropropene	2500	2670		ug/Kg		107	75 - 121
Dibromochloromethane	2500	2630		ug/Kg		105	64 - 120
Dichlorodifluoromethane	2500	2800		ug/Kg		112	10 - 150
Ethylbenzene	2500	2510		ug/Kg		100	78 - 124
Methyl acetate	5000	4510		ug/Kg		90	71 - 123
Methylene Chloride	2500	2730		ug/Kg		109	75 - 118
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3030		ug/Kg		121	10 - 179
Styrene	2500	2550		ug/Kg		102	80 - 120
1,2,4-Trichlorobenzene	2500	2320		ug/Kg		93	70 - 140
Tetrachloroethene	2500	2620		ug/Kg		105	73 - 133
1,2-Dibromo-3-Chloropropane	2500	1890		ug/Kg		76	56 - 122
Toluene	2500	2460		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	2500	2390		ug/Kg		96	80 - 120
Methyl tert-butyl ether	2500	2480		ug/Kg		99	67 - 137
trans-1,2-Dichloroethene	2500	2720		ug/Kg		109	74 - 129
1,2-Dichlorobenzene	2500	2410		ug/Kg		97	78 - 125
trans-1,3-Dichloropropene	2500	2440		ug/Kg		98	73 - 120
Isopropylbenzene	2500	2370		ug/Kg		95	76 - 120
Trichloroethene	2500	2810		ug/Kg		112	75 - 131
Methylcyclohexane	2500	2980		ug/Kg		119	50 - 130
Trichlorofluoromethane	2500	3060		ug/Kg		123	29 - 158
Cyclohexane	2500	2650		ug/Kg		106	49 - 129
Vinyl chloride	2500	2420		ug/Kg		97	59 - 124
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2430		ug/Kg		97	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*53 - 146*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*
Dibromofluoromethane (Surr)	*121*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Lab Sample ID: 480-175918-1 MS
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: D-22 (15.5) MS
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	*3	2720	ND		ug/Kg	☼	133	64 - 142

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

Lab Sample ID: 480-175918-1 MS
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: D-22 (15.5) MS
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	ND	*3	2720	ND		ug/Kg	☼	104	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*3	2720	ND	F1	ug/Kg	☼	161	64 - 154
1,1,2-Trichloroethane	ND	*3	2720	ND		ug/Kg	☼	94	63 - 133
1,1-Dichloroethane	ND	*3	2720	ND		ug/Kg	☼	119	64 - 135
1,1-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	132	62 - 145
1,2,4-Trichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	101	56 - 145
1,2-Dibromo-3-Chloropropane	ND	*3	2720	ND	F1	ug/Kg	☼	0	40 - 122
1,2-Dibromoethane	ND	*3	2720	ND		ug/Kg	☼	102	65 - 133
1,2-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	110	68 - 133
1,2-Dichloroethane	ND	*3	2720	ND		ug/Kg	☼	134	62 - 135
1,2-Dichloropropane	ND	*3	2720	ND		ug/Kg	☼	96	67 - 139
1,3-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	105	68 - 136
1,4-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	118	69 - 136
Methyl ethyl ketone (MEK)	ND		13600	ND		ug/Kg	☼	NC	46 - 132
2-Hexanone	ND	*3	13600	ND		ug/Kg	☼	83	44 - 130
Methyl isobutyl ketone (MIBK)	ND	*3	13600	ND		ug/Kg	☼	81	49 - 125
Acetone	ND		13600	ND		ug/Kg	☼	NC	32 - 136
Benzene	ND	*3	2720	ND		ug/Kg	☼	108	68 - 137
Bromodichloromethane	ND	*3	2720	ND		ug/Kg	☼	98	62 - 136
Bromoform	ND	*3	2720	ND		ug/Kg	☼	99	43 - 134
Bromomethane	ND	*3	2720	ND		ug/Kg	☼	112	38 - 137
Carbon disulfide	ND	*3	2720	ND		ug/Kg	☼	101	52 - 139
Carbon tetrachloride	ND	*3	2720	ND		ug/Kg	☼	143	60 - 150
Chlorobenzene	ND	*3	2720	ND		ug/Kg	☼	119	67 - 136
Chloroethane	ND	*3	2720	ND		ug/Kg	☼	92	34 - 140
Chloroform	ND		2720	ND		ug/Kg	☼	NC	64 - 133
Chloromethane	ND	*3	2720	ND		ug/Kg	☼	93	47 - 143
cis-1,2-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	135	65 - 137
cis-1,3-Dichloropropene	ND	*3	2720	ND		ug/Kg	☼	78	61 - 148
Cyclohexane	ND	*3	2720	ND		ug/Kg	☼	121	63 - 149
Dibromochloromethane	ND	*3	2720	ND		ug/Kg	☼	106	57 - 137
Dichlorodifluoromethane	ND	*3	2720	ND		ug/Kg	☼	112	26 - 150
Ethylbenzene	ND	*3	2720	ND		ug/Kg	☼	112	67 - 136
Isopropylbenzene	ND	*3	2720	ND		ug/Kg	☼	98	65 - 147
Methyl acetate	ND	*3	5450	ND		ug/Kg	☼	94	50 - 124
Methyl tert-butyl ether	ND	*3	2720	ND		ug/Kg	☼	112	60 - 130
Methylcyclohexane	ND	*3	2720	ND		ug/Kg	☼	129	67 - 150
Methylene Chloride	ND	*3	2720	ND	F1	ug/Kg	☼	24	63 - 138
Styrene	ND	*3	2720	ND		ug/Kg	☼	102	68 - 137
Tetrachloroethene	ND	*3	2720	ND		ug/Kg	☼	134	67 - 150
Toluene	ND	*3	2720	ND		ug/Kg	☼	119	68 - 137
trans-1,2-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	113	65 - 138
trans-1,3-Dichloropropene	ND	*3	2720	ND		ug/Kg	☼	90	58 - 143
Trichloroethene	990000	E *3	2720	95300	4	ug/Kg	☼	-32875	69 - 143
Trichlorofluoromethane	ND	*3	2720	ND		ug/Kg	☼	112	35 - 150
Vinyl chloride	ND	*3	2720	ND		ug/Kg	☼	91	56 - 150

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

Lab Sample ID: 480-175918-1 MS
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: D-22 (15.5) MS
Prep Type: Total/NA
Prep Batch: 552605

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*
Dibromofluoromethane (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

Lab Sample ID: 480-175918-1 MSD
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: D-22 (15.5) MSD
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	*3	2720	ND		ug/Kg	☼	135	64 - 142	2	20
1,1,2,2-Tetrachloroethane	ND	*3	2720	ND		ug/Kg	☼	101	56 - 128	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	*3	2720	5040	F1	ug/Kg	☼	185	64 - 154	14	20
1,1,2-Trichloroethane	ND	*3	2720	ND		ug/Kg	☼	112	63 - 133	17	20
1,1-Dichloroethane	ND	*3	2720	ND		ug/Kg	☼	111	64 - 135	8	20
1,1-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	127	62 - 145	4	20
1,2,4-Trichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	102	56 - 145	0	20
1,2-Dibromo-3-Chloropropane	ND	*3	2720	ND		ug/Kg	☼	106	40 - 122	NC	20
1,2-Dibromoethane	ND	*3	2720	ND		ug/Kg	☼	97	65 - 133	5	20
1,2-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	104	68 - 133	5	20
1,2-Dichloroethane	ND	*3	2720	ND		ug/Kg	☼	127	62 - 135	6	20
1,2-Dichloropropane	ND	*3	2720	ND		ug/Kg	☼	116	67 - 139	19	20
1,3-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	99	68 - 136	6	20
1,4-Dichlorobenzene	ND	*3	2720	ND		ug/Kg	☼	111	69 - 136	6	20
Methyl ethyl ketone (MEK)	ND	*3	13600	ND		ug/Kg	☼	NC	46 - 132	NC	20
2-Hexanone	ND	*3	13600	ND		ug/Kg	☼	85	44 - 130	3	20
Methyl isobutyl ketone (MIBK)	ND	*3	13600	ND		ug/Kg	☼	87	49 - 125	6	20
Acetone	ND	*3	13600	ND		ug/Kg	☼	NC	32 - 136	NC	20
Benzene	ND	*3	2720	ND		ug/Kg	☼	113	68 - 137	4	20
Bromodichloromethane	ND	*3	2720	ND		ug/Kg	☼	118	62 - 136	19	20
Bromoform	ND	*3	2720	ND		ug/Kg	☼	106	43 - 134	7	20
Bromomethane	ND	*3	2720	ND	F1 F2	ug/Kg	☼	140	38 - 137	23	20
Carbon disulfide	ND	*3	2720	ND		ug/Kg	☼	118	52 - 139	16	20
Carbon tetrachloride	ND	*3	2720	ND		ug/Kg	☼	128	60 - 150	11	20
Chlorobenzene	ND	*3	2720	ND		ug/Kg	☼	108	67 - 136	10	20
Chloroethane	ND	*3	2720	ND		ug/Kg	☼	86	34 - 140	7	20
Chloroform	ND	*3	2720	ND		ug/Kg	☼	NC	64 - 133	7	20
Chloromethane	ND	*3	2720	ND		ug/Kg	☼	101	47 - 143	8	20
cis-1,2-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	131	65 - 137	3	20
cis-1,3-Dichloropropene	ND	*3	2720	ND	F2	ug/Kg	☼	102	61 - 148	26	20
Cyclohexane	ND	*3	2720	ND		ug/Kg	☼	124	63 - 149	3	20
Dibromochloromethane	ND	*3	2720	ND		ug/Kg	☼	96	57 - 137	10	20
Dichlorodifluoromethane	ND	*3	2720	ND		ug/Kg	☼	103	26 - 150	8	20
Ethylbenzene	ND	*3	2720	ND		ug/Kg	☼	118	67 - 136	5	20
Isopropylbenzene	ND	*3	2720	ND		ug/Kg	☼	111	65 - 147	13	20
Methyl acetate	ND	*3	5450	ND		ug/Kg	☼	96	50 - 124	2	20
Methyl tert-butyl ether	ND	*3	2720	ND		ug/Kg	☼	116	60 - 130	3	20
Methylcyclohexane	ND	*3	2720	ND		ug/Kg	☼	128	67 - 150	1	20

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

Lab Sample ID: 480-175918-1 MSD
Matrix: Solid
Analysis Batch: 552935

Client Sample ID: D-22 (15.5) MSD
Prep Type: Total/NA
Prep Batch: 552605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methylene Chloride	ND	*3	2720	ND	F2 F1	ug/Kg	☼	-7	63 - 138	39	20
Styrene	ND	*3	2720	ND		ug/Kg	☼	101	68 - 137	1	20
Tetrachloroethene	ND	*3	2720	ND	F1	ug/Kg	☼	152	67 - 150	12	20
Toluene	ND	*3	2720	ND		ug/Kg	☼	116	68 - 137	3	20
trans-1,2-Dichloroethene	ND	*3	2720	ND		ug/Kg	☼	120	65 - 138	6	20
trans-1,3-Dichloropropene	ND	*3	2720	ND		ug/Kg	☼	82	58 - 143	9	20
Trichloroethene	990000	E *3	2720	93100	4	ug/Kg	☼	-32957	69 - 143	2	20
Trichlorofluoromethane	ND	*3	2720	ND		ug/Kg	☼	130	35 - 150	14	20
Vinyl chloride	ND	*3	2720	ND		ug/Kg	☼	97	56 - 150	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*
Dibromofluoromethane (Surr)	*105*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: MB 480-552627/2-A
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,1,2-Trichloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,1-Dichloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,1-Dichloroethene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2-Dichloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2-Dichloropropane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
2-Hexanone	ND		500		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Acetone	ND		500		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Benzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Bromodichloromethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Bromoform	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Bromomethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Carbon disulfide	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Carbon tetrachloride	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Chlorobenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Chloroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Chloroform	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Chloromethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Dibromochloromethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Dichlorodifluoromethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Ethylbenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Methyl acetate	ND		500		ug/Kg		10/06/20 10:57	10/08/20 20:45	1

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

Lab Sample ID: MB 480-552627/2-A
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 552627

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Styrene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Tetrachloroethene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Toluene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,3-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Methyl tert-butyl ether	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Isopropylbenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Trichloroethene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Methylcyclohexane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Trichlorofluoromethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Cyclohexane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Vinyl chloride	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,2-Dibromoethane	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
Xylenes, Total	ND		200		ug/Kg		10/06/20 10:57	10/08/20 20:45	1
1,4-Dichlorobenzene	ND		100		ug/Kg		10/06/20 10:57	10/08/20 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*10/06/20 10:57*	*10/08/20 20:45*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*10/06/20 10:57*	*10/08/20 20:45*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*10/06/20 10:57*	*10/08/20 20:45*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*10/06/20 10:57*	*10/08/20 20:45*	*1*

Lab Sample ID: LCS 480-552627/1-A
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2850		ug/Kg		114	68 - 130
1,1,2,2-Tetrachloroethane	2500	2070		ug/Kg		83	73 - 120
1,1,2-Trichloroethane	2500	2230		ug/Kg		89	80 - 120
1,1-Dichloroethane	2500	2330		ug/Kg		93	78 - 121
1,1-Dichloroethene	2500	2590		ug/Kg		104	48 - 133
1,2-Dichloroethane	2500	2560		ug/Kg		103	74 - 127
1,2-Dichloropropane	2500	2370		ug/Kg		95	80 - 120
2-Hexanone	12500	10600		ug/Kg		85	59 - 127
Acetone	12500	9960		ug/Kg		80	47 - 141
Benzene	2500	2460		ug/Kg		98	77 - 125
Bromodichloromethane	2500	2510		ug/Kg		100	71 - 121
Bromoform	2500	2270		ug/Kg		91	48 - 125
Bromomethane	2500	2660		ug/Kg		106	39 - 149
Carbon disulfide	2500	2340		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	3040		ug/Kg		122	54 - 135

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

Lab Sample ID: LCS 480-552627/1-A
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	2500	2390		ug/Kg		96	76 - 126
Methyl ethyl ketone (MEK)	12500	10600		ug/Kg		85	54 - 149
Chloroethane	2500	2420		ug/Kg		97	23 - 150
Methyl isobutyl ketone (MIBK)	12500	10000		ug/Kg		80	74 - 120
Chloroform	2500	2520		ug/Kg		101	78 - 120
Chloromethane	2500	1860		ug/Kg		74	61 - 124
cis-1,2-Dichloroethene	2500	2520		ug/Kg		101	79 - 124
cis-1,3-Dichloropropene	2500	2360		ug/Kg		94	75 - 121
Dibromochloromethane	2500	2390		ug/Kg		96	64 - 120
Dichlorodifluoromethane	2500	2460		ug/Kg		98	10 - 150
Ethylbenzene	2500	2380		ug/Kg		95	78 - 124
Methyl acetate	5000	4370		ug/Kg		87	71 - 123
Methylene Chloride	2500	2630		ug/Kg		105	75 - 118
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2880		ug/Kg		115	10 - 179
Styrene	2500	2390		ug/Kg		95	80 - 120
1,2,4-Trichlorobenzene	2500	2160		ug/Kg		86	70 - 140
Tetrachloroethene	2500	2570		ug/Kg		103	73 - 133
1,2-Dibromo-3-Chloropropane	2500	1790		ug/Kg		71	56 - 122
Toluene	2500	2340		ug/Kg		93	75 - 124
1,3-Dichlorobenzene	2500	2370		ug/Kg		95	80 - 120
Methyl tert-butyl ether	2500	2320		ug/Kg		93	67 - 137
trans-1,2-Dichloroethene	2500	2530		ug/Kg		101	74 - 129
1,2-Dichlorobenzene	2500	2340		ug/Kg		94	78 - 125
trans-1,3-Dichloropropene	2500	2200		ug/Kg		88	73 - 120
Isopropylbenzene	2500	2280		ug/Kg		91	76 - 120
Trichloroethene	2500	2670		ug/Kg		107	75 - 131
Methylcyclohexane	2500	2760		ug/Kg		110	50 - 130
Trichlorofluoromethane	2500	2710		ug/Kg		108	29 - 158
Cyclohexane	2500	2610		ug/Kg		104	49 - 129
Vinyl chloride	2500	2140		ug/Kg		86	59 - 124
1,2-Dibromoethane	2500	2300		ug/Kg		92	80 - 120
1,4-Dichlorobenzene	2500	2270		ug/Kg		91	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*
Dibromofluoromethane (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: 480-175976-14 MS
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: D-26 (29.5)
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1 F2	2840	3230		ug/Kg	☼	114	64 - 142
1,1,2,2-Tetrachloroethane	ND		2840	3020		ug/Kg	☼	106	56 - 128
1,1,2-Trichloroethane	ND		2840	2810		ug/Kg	☼	99	63 - 133
1,1-Dichloroethane	ND		2840	3250		ug/Kg	☼	114	64 - 135

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

Lab Sample ID: 480-175976-14 MS
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: D-26 (29.5)
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		2840	3770		ug/Kg	☼	133	62 - 145
1,2-Dichloroethane	ND		2840	5640		ug/Kg	☼	124	62 - 135
1,2-Dichloropropane	ND		2840	2870		ug/Kg	☼	101	67 - 139
2-Hexanone	ND		14200	12600		ug/Kg	☼	88	44 - 130
Acetone	ND		14200	15300		ug/Kg	☼	108	32 - 136
Benzene	ND		2840	3360		ug/Kg	☼	118	68 - 137
Bromodichloromethane	ND		2840	3530		ug/Kg	☼	124	62 - 136
Bromoform	ND		2840	2930		ug/Kg	☼	103	43 - 134
Bromomethane	ND		2840	3180		ug/Kg	☼	112	38 - 137
Carbon disulfide	ND		2840	3150		ug/Kg	☼	111	52 - 139
Carbon tetrachloride	ND	F1	2840	4030		ug/Kg	☼	142	60 - 150
Chlorobenzene	ND		2840	3150		ug/Kg	☼	111	67 - 136
Methyl ethyl ketone (MEK)	ND		14200	13800		ug/Kg	☼	97	46 - 132
Chloroethane	ND		2840	ND		ug/Kg	☼	83	34 - 140
Methyl isobutyl ketone (MIBK)	ND		14200	12900		ug/Kg	☼	91	49 - 125
Chloroform	ND	F1	2840	4130	F1	ug/Kg	☼	146	64 - 133
Chloromethane	ND		2840	2420		ug/Kg	☼	85	47 - 143
cis-1,2-Dichloroethene	8400	F1	2840	14900	F1	ug/Kg	☼	229	65 - 137
cis-1,3-Dichloropropene	ND		2840	3000		ug/Kg	☼	105	61 - 148
Dibromochloromethane	ND		2840	3360		ug/Kg	☼	118	57 - 137
Dichlorodifluoromethane	ND		2840	2710		ug/Kg	☼	96	26 - 150
Ethylbenzene	ND		2840	2990		ug/Kg	☼	105	67 - 136
Methyl acetate	ND		5680	ND		ug/Kg	☼	95	50 - 124
Methylene Chloride	ND		2840	3260		ug/Kg	☼	115	63 - 138
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2840	4380		ug/Kg	☼	154	64 - 154
Styrene	ND		2840	2720		ug/Kg	☼	96	68 - 137
1,2,4-Trichlorobenzene	ND		2840	2740		ug/Kg	☼	96	56 - 145
Tetrachloroethene	ND		2840	3560		ug/Kg	☼	125	67 - 150
1,2-Dibromo-3-Chloropropane	ND		2840	ND		ug/Kg	☼	70	40 - 122
Toluene	ND		2840	5540		ug/Kg	☼	116	68 - 137
1,3-Dichlorobenzene	ND		2840	3290		ug/Kg	☼	116	68 - 136
Methyl tert-butyl ether	ND		2840	3480		ug/Kg	☼	122	60 - 130
trans-1,2-Dichloroethene	ND		2840	3280		ug/Kg	☼	116	65 - 138
1,2-Dichlorobenzene	ND		2840	3100		ug/Kg	☼	109	68 - 133
trans-1,3-Dichloropropene	ND		2840	2640		ug/Kg	☼	93	58 - 143
Isopropylbenzene	ND		2840	2830		ug/Kg	☼	100	65 - 147
Trichloroethene	120000		2840	151000	4	ug/Kg	☼	1225	69 - 143
Methylcyclohexane	ND		2840	3790		ug/Kg	☼	133	67 - 150
Trichlorofluoromethane	ND		2840	3340		ug/Kg	☼	118	35 - 150
Cyclohexane	ND		2840	3280		ug/Kg	☼	115	63 - 149
Vinyl chloride	ND		2840	2690		ug/Kg	☼	95	56 - 150
1,2-Dibromoethane	ND		2840	3220		ug/Kg	☼	113	65 - 133
1,4-Dichlorobenzene	ND		2840	3020		ug/Kg	☼	106	69 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*

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

Lab Sample ID: 480-175976-14 MS
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: D-26 (29.5)
Prep Type: Total/NA
Prep Batch: 552627

Surrogate	MS %Recovery	MS Qualifier	Limits
Dibromofluoromethane (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*94*		*50 - 149*

Lab Sample ID: 480-175976-14 MSD
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: D-26 (29.5)
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1 F2	2830	4030	F1 F2	ug/Kg	☼	143	64 - 142	22	20
1,1,2,2-Tetrachloroethane	ND		2830	3050		ug/Kg	☼	108	56 - 128	1	20
1,1,2-Trichloroethane	ND		2830	2690		ug/Kg	☼	95	63 - 133	5	20
1,1-Dichloroethane	ND		2830	3460		ug/Kg	☼	122	64 - 135	6	20
1,1-Dichloroethene	ND		2830	3860		ug/Kg	☼	136	62 - 145	2	20
1,2-Dichloroethane	ND		2830	5800		ug/Kg	☼	130	62 - 135	3	20
1,2-Dichloropropane	ND		2830	2920		ug/Kg	☼	103	67 - 139	2	20
2-Hexanone	ND		14100	13600		ug/Kg	☼	96	44 - 130	8	20
Acetone	ND		14100	15100		ug/Kg	☼	107	32 - 136	1	20
Benzene	ND		2830	3220		ug/Kg	☼	114	68 - 137	4	20
Bromodichloromethane	ND		2830	3300		ug/Kg	☼	117	62 - 136	7	20
Bromoform	ND		2830	2630		ug/Kg	☼	93	43 - 134	11	20
Bromomethane	ND		2830	3570		ug/Kg	☼	126	38 - 137	12	20
Carbon disulfide	ND		2830	3260		ug/Kg	☼	115	52 - 139	3	20
Carbon tetrachloride	ND	F1	2830	4350	F1	ug/Kg	☼	154	60 - 150	8	20
Chlorobenzene	ND		2830	3330		ug/Kg	☼	118	67 - 136	6	20
Methyl ethyl ketone (MEK)	ND		14100	13500		ug/Kg	☼	95	46 - 132	3	20
Chloroethane	ND		2830	2780		ug/Kg	☼	98	34 - 140	17	20
Methyl isobutyl ketone (MIBK)	ND		14100	12600		ug/Kg	☼	89	49 - 125	2	20
Chloroform	ND	F1	2830	4160	F1	ug/Kg	☼	147	64 - 133	1	20
Chloromethane	ND		2830	2590		ug/Kg	☼	92	47 - 143	7	20
cis-1,2-Dichloroethene	8400	F1	2830	16400	F1	ug/Kg	☼	283	65 - 137	10	20
cis-1,3-Dichloropropene	ND		2830	2780		ug/Kg	☼	98	61 - 148	7	20
Dibromochloromethane	ND		2830	3320		ug/Kg	☼	117	57 - 137	1	20
Dichlorodifluoromethane	ND		2830	3260		ug/Kg	☼	115	26 - 150	18	20
Ethylbenzene	ND		2830	3120		ug/Kg	☼	110	67 - 136	4	20
Methyl acetate	ND		5660	ND		ug/Kg	☼	96	50 - 124	1	20
Methylene Chloride	ND		2830	3490		ug/Kg	☼	123	63 - 138	7	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2830	4120		ug/Kg	☼	146	64 - 154	6	20
Styrene	ND		2830	2880		ug/Kg	☼	102	68 - 137	6	20
1,2,4-Trichlorobenzene	ND		2830	2650		ug/Kg	☼	94	56 - 145	3	20
Tetrachloroethene	ND		2830	3550		ug/Kg	☼	125	67 - 150	0	20
1,2-Dibromo-3-Chloropropane	ND		2830	ND		ug/Kg	☼	69	40 - 122	1	20
Toluene	ND		2830	5860		ug/Kg	☼	128	68 - 137	6	20
1,3-Dichlorobenzene	ND		2830	3070		ug/Kg	☼	109	68 - 136	7	20
Methyl tert-butyl ether	ND		2830	3260		ug/Kg	☼	115	60 - 130	6	20
trans-1,2-Dichloroethene	ND		2830	3360		ug/Kg	☼	119	65 - 138	2	20
1,2-Dichlorobenzene	ND		2830	3210		ug/Kg	☼	114	68 - 133	4	20
trans-1,3-Dichloropropene	ND		2830	2660		ug/Kg	☼	94	58 - 143	1	20
Isopropylbenzene	ND		2830	2880		ug/Kg	☼	102	65 - 147	2	20

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

Lab Sample ID: 480-175976-14 MSD
Matrix: Solid
Analysis Batch: 553042

Client Sample ID: D-26 (29.5)
Prep Type: Total/NA
Prep Batch: 552627

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Trichloroethene	120000		2830	155000	4	ug/Kg	☼	1391	69 - 143	3	20
Methylcyclohexane	ND		2830	3580		ug/Kg	☼	127	67 - 150	6	20
Trichlorofluoromethane	ND		2830	3880		ug/Kg	☼	137	35 - 150	15	20
Cyclohexane	ND		2830	3280		ug/Kg	☼	116	63 - 149	0	20
Vinyl chloride	ND		2830	2890		ug/Kg	☼	102	56 - 150	7	20
1,2-Dibromoethane	ND		2830	2900		ug/Kg	☼	103	65 - 133	11	20
1,4-Dichlorobenzene	ND		2830	2920		ug/Kg	☼	103	69 - 136	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*
Dibromofluoromethane (Surr)	*109*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: MB 480-552847/8
Matrix: Water
Analysis Batch: 552847

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/08/20 01:02	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/08/20 01:02	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/08/20 01:02	1
1,1-Dichloroethane	ND		5.0		ug/L			10/08/20 01:02	1
1,1-Dichloroethene	ND		5.0		ug/L			10/08/20 01:02	1
1,2-Dichloroethane	ND		5.0		ug/L			10/08/20 01:02	1
1,2-Dichloropropane	ND		5.0		ug/L			10/08/20 01:02	1
2-Hexanone	ND		10		ug/L			10/08/20 01:02	1
Acetone	ND		10		ug/L			10/08/20 01:02	1
Benzene	ND		5.0		ug/L			10/08/20 01:02	1
Bromodichloromethane	ND		5.0		ug/L			10/08/20 01:02	1
Bromoform	ND		5.0		ug/L			10/08/20 01:02	1
Bromomethane	ND		5.0		ug/L			10/08/20 01:02	1
Carbon disulfide	ND		5.0		ug/L			10/08/20 01:02	1
Carbon tetrachloride	ND		5.0		ug/L			10/08/20 01:02	1
Chlorobenzene	ND		5.0		ug/L			10/08/20 01:02	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/08/20 01:02	1
Chloroethane	ND		5.0		ug/L			10/08/20 01:02	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/08/20 01:02	1
Chloroform	ND		5.0		ug/L			10/08/20 01:02	1
Chloromethane	ND		5.0		ug/L			10/08/20 01:02	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 01:02	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 01:02	1
Dibromochloromethane	ND		5.0		ug/L			10/08/20 01:02	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/08/20 01:02	1
Ethylbenzene	ND		5.0		ug/L			10/08/20 01:02	1
Vinyl acetate	ND		5.0		ug/L			10/08/20 01:02	1
Methylene Chloride	ND		5.0		ug/L			10/08/20 01:02	1
Styrene	ND		5.0		ug/L			10/08/20 01:02	1

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

Lab Sample ID: MB 480-552847/8
Matrix: Water
Analysis Batch: 552847

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		5.0		ug/L			10/08/20 01:02	1
Toluene	ND		5.0		ug/L			10/08/20 01:02	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/08/20 01:02	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/08/20 01:02	1
Trichloroethene	ND		5.0		ug/L			10/08/20 01:02	1
Trichlorofluoromethane	ND		5.0		ug/L			10/08/20 01:02	1
Vinyl chloride	ND		5.0		ug/L			10/08/20 01:02	1
Xylenes, Total	ND		5.0		ug/L			10/08/20 01:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*10/08/20 01:02*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*10/08/20 01:02*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/08/20 01:02*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*10/08/20 01:02*	*1*

Lab Sample ID: LCS 480-552847/6
Matrix: Water
Analysis Batch: 552847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.3		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	24.1		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120
1,1-Dichloroethene	25.0	24.9		ug/L		100	66 - 127
1,2-Dichloroethane	25.0	27.1		ug/L		108	75 - 120
1,2-Dichloropropane	25.0	26.3		ug/L		105	76 - 120
2-Hexanone	125	134		ug/L		107	65 - 127
Acetone	125	146		ug/L		117	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	26.6		ug/L		107	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	32.6		ug/L		130	55 - 144
Carbon disulfide	25.0	25.4		ug/L		102	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	23.4		ug/L		93	80 - 120
Methyl ethyl ketone (MEK)	125	139		ug/L		111	57 - 140
Chloroethane	25.0	32.0		ug/L		128	69 - 136
Methyl isobutyl ketone (MIBK)	125	125		ug/L		100	71 - 125
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	31.1		ug/L		124	68 - 124
cis-1,2-Dichloroethene	25.0	26.2		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	74 - 124
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Dichlorodifluoromethane	25.0	29.2		ug/L		117	59 - 135
Ethylbenzene	25.0	23.1		ug/L		92	77 - 123
Methylene Chloride	25.0	24.2		ug/L		97	75 - 124
Styrene	25.0	24.6		ug/L		99	80 - 120

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

Lab Sample ID: LCS 480-552847/6
Matrix: Water
Analysis Batch: 552847

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	25.0	23.4		ug/L		93	74 - 122
Toluene	25.0	23.3		ug/L		93	80 - 122
trans-1,2-Dichloroethene	25.0	25.4		ug/L		101	73 - 127
trans-1,3-Dichloropropene	25.0	24.5		ug/L		98	80 - 120
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Trichlorofluoromethane	25.0	29.9		ug/L		120	62 - 150
Vinyl chloride	25.0	31.5		ug/L		126	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*
Toluene-d8 (Surr)	*98*		*80 - 120*

GC/MS VOA

Analysis Batch: 552260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175918-7	Trip Blank_20201001	Total/NA	Water	8260C	
480-175918-8	FB-04_20201001	Total/NA	Water	8260C	
480-175918-9	FB-05_20201001	Total/NA	Water	8260C	
MB 480-552260/8	Method Blank	Total/NA	Water	8260C	
LCS 480-552260/6	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 552605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175918-1	D-22 (15.5)	Total/NA	Solid	5035A_H	
480-175918-2	D-22 (16.5)	Total/NA	Solid	5035A_H	
480-175918-3	D-23 (14.5)	Total/NA	Solid	5035A_H	
480-175918-4	D-23 (21.5)	Total/NA	Solid	5035A_H	
480-175918-5	D-24 (30.3)	Total/NA	Solid	5035A_H	
480-175918-6	D-24 (31.5)	Total/NA	Solid	5035A_H	
MB 480-552605/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-552605/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175918-1 MS	D-22 (15.5) MS	Total/NA	Solid	5035A_H	
480-175918-1 MSD	D-22 (15.5) MSD	Total/NA	Solid	5035A_H	

Prep Batch: 552627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175976-2	D-25 (15.5)	Total/NA	Solid	5035A_H	
480-175976-3	D-25 (17.5)	Total/NA	Solid	5035A_H	
480-175976-5	S-14 (0.6-0.8)	Total/NA	Solid	5035A_H	
480-175976-6	S-15 (0.5-.07)	Total/NA	Solid	5035A_H	
480-175976-7	S-16 (1.1-1.3)	Total/NA	Solid	5035A_H	
480-175976-8	S-17 (0.6)	Total/NA	Solid	5035A_H	
480-175976-9	S-17 (0.7-0.9)	Total/NA	Solid	5035A_H	
480-175976-10	D-26 (23.5)	Total/NA	Solid	5035A_H	
480-175976-11	D-26 (25.5)	Total/NA	Solid	5035A_H	
480-175976-12	S-14 (0.4-0.6)	Total/NA	Solid	5035A_H	
480-175976-13	D-26 (26.5)	Total/NA	Solid	5035A_H	
480-175976-14	D-26 (29.5)	Total/NA	Solid	5035A_H	
MB 480-552627/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-552627/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-175976-14 MS	D-26 (29.5)	Total/NA	Solid	5035A_H	
480-175976-14 MSD	D-26 (29.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 552847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175976-1	Trip Blank_20201002	Total/NA	Water	8260C	
480-175976-4	FB-06-20201002	Total/NA	Water	8260C	
MB 480-552847/8	Method Blank	Total/NA	Water	8260C	
LCS 480-552847/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 552935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175918-3	D-23 (14.5)	Total/NA	Solid	8260C	552605
480-175918-4	D-23 (21.5)	Total/NA	Solid	8260C	552605
480-175918-5	D-24 (30.3)	Total/NA	Solid	8260C	552605
480-175918-6	D-24 (31.5)	Total/NA	Solid	8260C	552605

GC/MS VOA (Continued)

Analysis Batch: 552935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-552605/2-A	Method Blank	Total/NA	Solid	8260C	552605
LCS 480-552605/1-A	Lab Control Sample	Total/NA	Solid	8260C	552605
480-175918-1 MS	D-22 (15.5) MS	Total/NA	Solid	8260C	552605
480-175918-1 MSD	D-22 (15.5) MSD	Total/NA	Solid	8260C	552605

Analysis Batch: 553042

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175918-1	D-22 (15.5)	Total/NA	Solid	8260C	552605
480-175918-2	D-22 (16.5)	Total/NA	Solid	8260C	552605
480-175976-2	D-25 (15.5)	Total/NA	Solid	8260C	552627
480-175976-3	D-25 (17.5)	Total/NA	Solid	8260C	552627
480-175976-6	S-15 (0.5-.07)	Total/NA	Solid	8260C	552627
480-175976-7	S-16 (1.1-1.3)	Total/NA	Solid	8260C	552627
480-175976-8	S-17 (0.6)	Total/NA	Solid	8260C	552627
480-175976-9	S-17 (0.7-0.9)	Total/NA	Solid	8260C	552627
480-175976-10	D-26 (23.5)	Total/NA	Solid	8260C	552627
480-175976-11	D-26 (25.5)	Total/NA	Solid	8260C	552627
480-175976-12	S-14 (0.4-0.6)	Total/NA	Solid	8260C	552627
480-175976-13	D-26 (26.5)	Total/NA	Solid	8260C	552627
480-175976-14	D-26 (29.5)	Total/NA	Solid	8260C	552627
MB 480-552627/2-A	Method Blank	Total/NA	Solid	8260C	552627
LCS 480-552627/1-A	Lab Control Sample	Total/NA	Solid	8260C	552627
480-175976-14 MS	D-26 (29.5)	Total/NA	Solid	8260C	552627
480-175976-14 MSD	D-26 (29.5)	Total/NA	Solid	8260C	552627

Analysis Batch: 553195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175976-5	S-14 (0.6-0.8)	Total/NA	Solid	8260C	552627

General Chemistry

Analysis Batch: 552549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175918-1	D-22 (15.5)	Total/NA	Solid	Moisture	
480-175918-2	D-22 (16.5)	Total/NA	Solid	Moisture	
480-175918-3	D-23 (14.5)	Total/NA	Solid	Moisture	
480-175918-4	D-23 (21.5)	Total/NA	Solid	Moisture	
480-175918-5	D-24 (30.3)	Total/NA	Solid	Moisture	
480-175918-6	D-24 (31.5)	Total/NA	Solid	Moisture	
480-175918-1 MS	D-22 (15.5) MS	Total/NA	Solid	Moisture	
480-175918-1 MSD	D-22 (15.5) MSD	Total/NA	Solid	Moisture	

Analysis Batch: 553274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175976-2	D-25 (15.5)	Total/NA	Solid	Moisture	
480-175976-3	D-25 (17.5)	Total/NA	Solid	Moisture	
480-175976-5	S-14 (0.6-0.8)	Total/NA	Solid	Moisture	
480-175976-6	S-15 (0.5-.07)	Total/NA	Solid	Moisture	
480-175976-7	S-16 (1.1-1.3)	Total/NA	Solid	Moisture	
480-175976-8	S-17 (0.6)	Total/NA	Solid	Moisture	
480-175976-9	S-17 (0.7-0.9)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 553274 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175976-10	D-26 (23.5)	Total/NA	Solid	Moisture	
480-175976-11	D-26 (25.5)	Total/NA	Solid	Moisture	
480-175976-12	S-14 (0.4-0.6)	Total/NA	Solid	Moisture	
480-175976-13	D-26 (26.5)	Total/NA	Solid	Moisture	
480-175976-14	D-26 (29.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-22 (15.5)
Date Collected: 10/01/20 09:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-22 (15.5)
Date Collected: 10/01/20 09:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-1
Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		40	553042	10/09/20 01:45	CRL	TAL BUF

Client Sample ID: D-22 (16.5)
Date Collected: 10/01/20 09:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-22 (16.5)
Date Collected: 10/01/20 09:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-2
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		20	553042	10/09/20 02:08	CRL	TAL BUF

Client Sample ID: D-23 (14.5)
Date Collected: 10/01/20 10:40
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-23 (14.5)
Date Collected: 10/01/20 10:40
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-3
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		4	552935	10/08/20 15:02	RJF	TAL BUF

Client Sample ID: D-23 (21.5)
Date Collected: 10/01/20 11:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-23 (21.5)
Date Collected: 10/01/20 11:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-4
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		8	552935	10/08/20 15:25	RJF	TAL BUF

Client Sample ID: D-24 (30.3)
Date Collected: 10/01/20 15:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-24 (30.3)
Date Collected: 10/01/20 15:15
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-5
Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		2	552935	10/08/20 15:48	RJF	TAL BUF

Client Sample ID: D-24 (31.5)
Date Collected: 10/01/20 15:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	552549	10/05/20 19:49	CDC	TAL BUF

Client Sample ID: D-24 (31.5)
Date Collected: 10/01/20 15:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-6
Matrix: Solid
Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552605	10/06/20 10:26	WJD	TAL BUF
Total/NA	Analysis	8260C		2	552935	10/08/20 16:11	RJF	TAL BUF

Client Sample ID: Trip Blank_20201001
Date Collected: 10/01/20 16:05
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552260	10/03/20 07:44	AMM	TAL BUF

Client Sample ID: FB-04_20201001
Date Collected: 10/01/20 16:10
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552260	10/03/20 08:08	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: FB-05_20201001
Date Collected: 10/01/20 16:20
Date Received: 10/02/20 10:00

Lab Sample ID: 480-175918-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552260	10/03/20 08:32	AMM	TAL BUF

Client Sample ID: Trip Blank_20201002
Date Collected: 10/02/20 08:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552847	10/08/20 01:52	CRL	TAL BUF

Client Sample ID: D-25 (15.5)
Date Collected: 10/02/20 09:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: D-25 (15.5)
Date Collected: 10/02/20 09:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-2
Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		10	553042	10/08/20 21:08	CRL	TAL BUF

Client Sample ID: D-25 (17.5)
Date Collected: 10/02/20 09:40
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: D-25 (17.5)
Date Collected: 10/02/20 09:40
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-3
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		10	553042	10/08/20 21:31	CRL	TAL BUF

Client Sample ID: FB-06-20201002
Date Collected: 10/02/20 11:00
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	552847	10/08/20 02:17	CRL	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: S-14 (0.6-0.8)
Date Collected: 10/02/20 11:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: S-14 (0.6-0.8)
Date Collected: 10/02/20 11:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-5
Matrix: Solid
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		50	553195	10/09/20 11:52	CRL	TAL BUF

Client Sample ID: S-15 (0.5-.07)
Date Collected: 10/02/20 11:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: S-15 (0.5-.07)
Date Collected: 10/02/20 11:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-6
Matrix: Solid
Percent Solids: 96.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		4	553042	10/08/20 22:17	CRL	TAL BUF

Client Sample ID: S-16 (1.1-1.3)
Date Collected: 10/02/20 12:05
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: S-16 (1.1-1.3)
Date Collected: 10/02/20 12:05
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-7
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		4	553042	10/08/20 22:40	CRL	TAL BUF

Client Sample ID: S-17 (0.6)
Date Collected: 10/02/20 12:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: S-17 (0.6)
Date Collected: 10/02/20 12:20
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-8
Matrix: Solid
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		1	553042	10/08/20 23:03	CRL	TAL BUF

Client Sample ID: S-17 (0.7-0.9)
Date Collected: 10/02/20 12:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: S-17 (0.7-0.9)
Date Collected: 10/02/20 12:25
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-9
Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		4	553042	10/08/20 23:26	CRL	TAL BUF

Client Sample ID: D-26 (23.5)
Date Collected: 10/02/20 13:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: D-26 (23.5)
Date Collected: 10/02/20 13:35
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-10
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		10	553042	10/08/20 23:49	CRL	TAL BUF

Client Sample ID: D-26 (25.5)
Date Collected: 10/02/20 13:50
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (25.5)
Date Collected: 10/02/20 13:50
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-11
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		20	553042	10/09/20 00:12	CRL	TAL BUF

Client Sample ID: S-14 (0.4-0.6)
Date Collected: 10/02/20 11:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: S-14 (0.4-0.6)
Date Collected: 10/02/20 11:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-12
Matrix: Solid
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		1	553042	10/09/20 00:35	CRL	TAL BUF

Client Sample ID: D-26 (26.5)
Date Collected: 10/02/20 13:55
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Client Sample ID: D-26 (26.5)
Date Collected: 10/02/20 13:55
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-13
Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		10	553042	10/09/20 00:58	CRL	TAL BUF

Client Sample ID: D-26 (29.5)
Date Collected: 10/02/20 14:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	553274	10/09/20 13:31	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Client Sample ID: D-26 (29.5)

Date Collected: 10/02/20 14:15
Date Received: 10/03/20 10:00

Lab Sample ID: 480-175976-14

Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			552627	10/06/20 10:57	WJD	TAL BUF
Total/NA	Analysis	8260C		20	553042	10/09/20 01:22	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175918-1	D-22 (15.5)	Solid	10/01/20 09:05	10/02/20 10:00	
480-175918-2	D-22 (16.5)	Solid	10/01/20 09:15	10/02/20 10:00	
480-175918-3	D-23 (14.5)	Solid	10/01/20 10:40	10/02/20 10:00	
480-175918-4	D-23 (21.5)	Solid	10/01/20 11:10	10/02/20 10:00	
480-175918-5	D-24 (30.3)	Solid	10/01/20 15:15	10/02/20 10:00	
480-175918-6	D-24 (31.5)	Solid	10/01/20 15:20	10/02/20 10:00	
480-175918-7	Trip Blank_20201001	Water	10/01/20 16:05	10/02/20 10:00	
480-175918-8	FB-04_20201001	Water	10/01/20 16:10	10/02/20 10:00	
480-175918-9	FB-05_20201001	Water	10/01/20 16:20	10/02/20 10:00	
480-175976-1	Trip Blank_20201002	Water	10/02/20 08:20	10/03/20 10:00	
480-175976-2	D-25 (15.5)	Solid	10/02/20 09:25	10/03/20 10:00	
480-175976-3	D-25 (17.5)	Solid	10/02/20 09:40	10/03/20 10:00	
480-175976-4	FB-06-20201002	Water	10/02/20 11:00	10/03/20 10:00	
480-175976-5	S-14 (0.6-0.8)	Solid	10/02/20 11:20	10/03/20 10:00	
480-175976-6	S-15 (0.5-.07)	Solid	10/02/20 11:35	10/03/20 10:00	
480-175976-7	S-16 (1.1-1.3)	Solid	10/02/20 12:05	10/03/20 10:00	
480-175976-8	S-17 (0.6)	Solid	10/02/20 12:20	10/03/20 10:00	
480-175976-9	S-17 (0.7-0.9)	Solid	10/02/20 12:25	10/03/20 10:00	
480-175976-10	D-26 (23.5)	Solid	10/02/20 13:35	10/03/20 10:00	
480-175976-11	D-26 (25.5)	Solid	10/02/20 13:50	10/03/20 10:00	
480-175976-12	S-14 (0.4-0.6)	Solid	10/02/20 11:15	10/03/20 10:00	
480-175976-13	D-26 (26.5)	Solid	10/02/20 13:55	10/03/20 10:00	
480-175976-14	D-26 (29.5)	Solid	10/02/20 14:15	10/03/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.12
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:
City: Clifton Park	TAT Requested (days): 10 day
State, Zip: NY, 12065	
Phone: 518-250-7322(Tel)	PO #: 30002755.00043
Email: mark.flusche@arcadis-us.com	WO #:
Project Name: GTEOSI - Seneca Falls	Project #: 48005146
Site:	SSOW#:

Analysis Requested

480-175918 Chain of Custody

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-22(15.5)	10/1/20	0905	G	Solid			X			1	
D-22(15.5)(MS/MSD)	10/1/20	0905	G	Solid			X			2	
D-22(16.5)	10/1/20	0915	G	Solid			X			1	
D-23(14.5)	10/1/20	1040	G	Solid			X			1	
D-23(21.5)	10/1/20	1110	G	Solid			X			1	
D-24(30.3)	10/1/20	1515	G	Solid			X			1	
D-24(31.5)	10/1/20	1520	G	Solid			X			1	
TRIP BLANK_20201001	10/1/20	1605	G	Water					X	1	
FB-04_20201001	10/1/20	1610	G	Water					X	3	
FB-05_20201001	10/1/20	1620	G	Water					X	3	
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	10/1/20 1800	Arcadis		10/2/20 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 2.8

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.10
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 2
Company: ARCADIS U.S. Inc		Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-175976 Chain of Custody

Preservation Codes:
L — M - Hexane
OH — N - None
Acetate — O - AsNaO2
ric Acid — P - Na2O4S
HSO4 — Q - Na2SO3
OH — R - Na2S2O3
nchlor — S - H2SO4
corbic Acid — T - TSP Dodecahydrate
U - Acetone
J - DI Water — V - MCAA
K - EDTA — W - pH 4-5
L - EDA — Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
TRIP BLANK_20201002	10/2/20	0820	G	Water					X	1	
D-25(15.5)	10/2/20	0975	G	Solid			X			1	
D-25(17.5)	10/2/20	0940	G	Solid			X			1	
FB-06_20201002	10/2/20	1100	G	Water					X	3	
~~D-26~~ S-14(0.4-0.6)	10/2/20	1115	G	Solid			X			1	
S-14(0.6-0.8)	10/2/20	1120	G	Solid			X			1	
S-15(0.5-0.7)	10/2/20	1135	G	Solid			X			1	
S-16(1.1-1.3)	10/2/20	1205	G	Solid			X			1	
S-17(0.6)	10/2/20	1220	G	Solid			X			1	
S-17(0.7-0.9)	10/2/20	1225	G	Solid			X			1	
D-26(23.5)	10/2/20	1335	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	10/2/20 1800	Arcadis	Cwatkins	10/3/20 1000	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.3

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.11
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page 2 of 2
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-26(25.5)	10/2/20	1350	G	Solid			X		1	
D-26(26.5)	10/2/20	1355	G	Solid			X		1	
D-26(29.5)	10/2/20	1415	G	Solid			X		1	
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	10/2/20 1800	Arcadis	Cwallace	10/3/20 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#13.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175918-1
SDG Number: 480-175918-1

Login Number: 175918
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	2.8 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175918-1
SDG Number: 480-175918-1

Login Number: 175976
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.3 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-175977-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
10/16/2020 2:26:00 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-175977-1
Project/Site: GTEOSI - Seneca Falls

Glossary

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

Job ID: 480-175977-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-175977-1

Comments
No additional comments.

Receipt
The samples were received on 10/5/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.3º C.

Receipt Exceptions

After the samples arrived at the laboratory all analyses other than volatiles has put on hold by the client.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-553591 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: IDW-02_20201002 (480-175977-2).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: IDW-02_20201002 (480-175977-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was diluted due to the TCLP solid nature of the sample matrix: (LB 480-553443/1-A) and IDW-01_20201002 (480-175977-1). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Client Sample ID: IDW-01_20201002 — Lab Sample ID: 480-175977-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.21		0.010		mg/L	10		8260C	TCLP

Client Sample ID: IDW-02_20201002 — Lab Sample ID: 480-175977-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	180		20		ug/L	4		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Client Sample ID: IDW-01_20201002
Date Collected: 10/02/20 15:40
Date Received: 10/05/20 10:00

Lab Sample ID: 480-175977-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.010		mg/L			10/14/20 19:44	10
Methyl ethyl ketone (MEK)	ND		0.050		mg/L			10/14/20 19:44	10
Benzene	ND		0.010		mg/L			10/14/20 19:44	10
Carbon tetrachloride	ND		0.010		mg/L			10/14/20 19:44	10
Chlorobenzene	ND		0.010		mg/L			10/14/20 19:44	10
Chloroform	ND		0.010		mg/L			10/14/20 19:44	10
Tetrachloroethene	ND		0.010		mg/L			10/14/20 19:44	10
Trichloroethene	**0.21**		0.010		mg/L			10/14/20 19:44	10
Vinyl chloride	ND		0.010		mg/L			10/14/20 19:44	10
1,1-Dichloroethene	ND		0.010		mg/L			10/14/20 19:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*10/14/20 19:44*	*10*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*10/14/20 19:44*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/14/20 19:44*	*10*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*10/14/20 19:44*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Client Sample ID: IDW-02_20201002
Date Collected: 10/02/20 15:50
Date Received: 10/05/20 10:00

Lab Sample ID: 480-175977-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20		ug/L			10/13/20 12:51	4
1,1,2,2-Tetrachloroethane	ND		20		ug/L			10/13/20 12:51	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0		ug/L			10/13/20 12:51	4
1,1,2-Trichloroethane	ND		20		ug/L			10/13/20 12:51	4
1,1-Dichloroethane	ND		20		ug/L			10/13/20 12:51	4
1,1-Dichloroethene	ND		20		ug/L			10/13/20 12:51	4
1,2,4-Trichlorobenzene	ND		4.0		ug/L			10/13/20 12:51	4
1,2-Dibromo-3-Chloropropane	ND		4.0		ug/L			10/13/20 12:51	4
1,2-Dibromoethane	ND		4.0		ug/L			10/13/20 12:51	4
1,2-Dichlorobenzene	ND		4.0		ug/L			10/13/20 12:51	4
1,2-Dichloroethane	ND		20		ug/L			10/13/20 12:51	4
1,2-Dichloropropane	ND		20		ug/L			10/13/20 12:51	4
1,3-Dichlorobenzene	ND		4.0		ug/L			10/13/20 12:51	4
1,4-Dichlorobenzene	ND		4.0		ug/L			10/13/20 12:51	4
2-Hexanone	ND		40		ug/L			10/13/20 12:51	4
Acetone	ND		40		ug/L			10/13/20 12:51	4
Benzene	ND		20		ug/L			10/13/20 12:51	4
Bromodichloromethane	ND		20		ug/L			10/13/20 12:51	4
Bromoform	ND		20		ug/L			10/13/20 12:51	4
Bromomethane	ND		20		ug/L			10/13/20 12:51	4
Carbon disulfide	ND		20		ug/L			10/13/20 12:51	4
Carbon tetrachloride	ND		20		ug/L			10/13/20 12:51	4
Chlorobenzene	ND		20		ug/L			10/13/20 12:51	4
Chloroethane	ND		20		ug/L			10/13/20 12:51	4
Chloroform	ND		20		ug/L			10/13/20 12:51	4
Chloromethane	ND		20		ug/L			10/13/20 12:51	4
cis-1,2-Dichloroethene	ND		20		ug/L			10/13/20 12:51	4
cis-1,3-Dichloropropene	ND		20		ug/L			10/13/20 12:51	4
Cyclohexane	ND		4.0		ug/L			10/13/20 12:51	4
Dibromochloromethane	ND		20		ug/L			10/13/20 12:51	4
Dichlorodifluoromethane	ND		20		ug/L			10/13/20 12:51	4
Ethylbenzene	ND		20		ug/L			10/13/20 12:51	4
Isopropylbenzene	ND		4.0		ug/L			10/13/20 12:51	4
Methyl acetate	ND		10		ug/L			10/13/20 12:51	4
Methyl ethyl ketone (MEK)	ND		40		ug/L			10/13/20 12:51	4
Methyl isobutyl ketone (MIBK)	ND		40		ug/L			10/13/20 12:51	4
Methyl tert-butyl ether	ND		4.0		ug/L			10/13/20 12:51	4
Methylcyclohexane	ND		4.0		ug/L			10/13/20 12:51	4
Methylene Chloride	ND		20		ug/L			10/13/20 12:51	4
Styrene	ND		20		ug/L			10/13/20 12:51	4
Tetrachloroethene	ND		20		ug/L			10/13/20 12:51	4
Toluene	ND		20		ug/L			10/13/20 12:51	4
trans-1,2-Dichloroethene	ND		20		ug/L			10/13/20 12:51	4
trans-1,3-Dichloropropene	ND		20		ug/L			10/13/20 12:51	4
Trichloroethene	**180**		20		ug/L			10/13/20 12:51	4
Trichlorofluoromethane	ND		20		ug/L			10/13/20 12:51	4
Vinyl acetate	ND		20		ug/L			10/13/20 12:51	4
Vinyl chloride	ND		20		ug/L			10/13/20 12:51	4
Xylenes, Total	ND		20		ug/L			10/13/20 12:51	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Client Sample ID: IDW-02_20201002
Date Collected: 10/02/20 15:50
Date Received: 10/05/20 10:00

Lab Sample ID: 480-175977-2
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		10/13/20 12:51	4
4-Bromofluorobenzene (Surr)	101		73 - 120		10/13/20 12:51	4
Toluene-d8 (Surr)	99		80 - 120		10/13/20 12:51	4
Dibromofluoromethane (Surr)	102		75 - 123		10/13/20 12:51	4

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
LCS 480-553810/5	Lab Control Sample	108	103	106	105
MB 480-553810/7	Method Blank	112	100	103	108

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175977-1	IDW-01_20201002	117	107	106	111
LB 480-553443/1-A	Method Blank	117	96	101	112

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-175977-2	IDW-02_20201002	112	101	99	102
LCS 480-553591/5	Lab Control Sample	106	101	101	101
MB 480-553591/8	Method Blank	108	98	100	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

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

Lab Sample ID: MB 480-553591/8
Matrix: Water
Analysis Batch: 553591

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/L			10/13/20 10:56	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/L			10/13/20 10:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			10/13/20 10:56	1
1,1,2-Trichloroethane	ND		5.0		ug/L			10/13/20 10:56	1
1,1-Dichloroethane	ND		5.0		ug/L			10/13/20 10:56	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			10/13/20 10:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			10/13/20 10:56	1
1,1-Dichloroethene	ND		5.0		ug/L			10/13/20 10:56	1
1,2-Dibromoethane	ND		1.0		ug/L			10/13/20 10:56	1
1,2-Dichlorobenzene	ND		1.0		ug/L			10/13/20 10:56	1
1,2-Dichloroethane	ND		5.0		ug/L			10/13/20 10:56	1
1,2-Dichloropropane	ND		5.0		ug/L			10/13/20 10:56	1
1,3-Dichlorobenzene	ND		1.0		ug/L			10/13/20 10:56	1
1,4-Dichlorobenzene	ND		1.0		ug/L			10/13/20 10:56	1
2-Hexanone	ND		10		ug/L			10/13/20 10:56	1
Acetone	ND		10		ug/L			10/13/20 10:56	1
Benzene	ND		5.0		ug/L			10/13/20 10:56	1
Bromodichloromethane	ND		5.0		ug/L			10/13/20 10:56	1
Bromoform	ND		5.0		ug/L			10/13/20 10:56	1
Bromomethane	ND		5.0		ug/L			10/13/20 10:56	1
Carbon disulfide	ND		5.0		ug/L			10/13/20 10:56	1
Carbon tetrachloride	ND		5.0		ug/L			10/13/20 10:56	1
Chlorobenzene	ND		5.0		ug/L			10/13/20 10:56	1
Chloroethane	ND		5.0		ug/L			10/13/20 10:56	1
Chloroform	ND		5.0		ug/L			10/13/20 10:56	1
Chloromethane	ND		5.0		ug/L			10/13/20 10:56	1
cis-1,2-Dichloroethene	ND		5.0		ug/L			10/13/20 10:56	1
cis-1,3-Dichloropropene	ND		5.0		ug/L			10/13/20 10:56	1
Cyclohexane	ND		1.0		ug/L			10/13/20 10:56	1
Dibromochloromethane	ND		5.0		ug/L			10/13/20 10:56	1
Dichlorodifluoromethane	ND		5.0		ug/L			10/13/20 10:56	1
Ethylbenzene	ND		5.0		ug/L			10/13/20 10:56	1
Isopropylbenzene	ND		1.0		ug/L			10/13/20 10:56	1
Methyl acetate	ND		2.5		ug/L			10/13/20 10:56	1
Methyl ethyl ketone (MEK)	ND		10		ug/L			10/13/20 10:56	1
Methyl isobutyl ketone (MIBK)	ND		10		ug/L			10/13/20 10:56	1
Methyl tert-butyl ether	ND		1.0		ug/L			10/13/20 10:56	1
Methylcyclohexane	ND		1.0		ug/L			10/13/20 10:56	1
Methylene Chloride	ND		5.0		ug/L			10/13/20 10:56	1
Styrene	ND		5.0		ug/L			10/13/20 10:56	1
Tetrachloroethene	ND		5.0		ug/L			10/13/20 10:56	1
Toluene	ND		5.0		ug/L			10/13/20 10:56	1
trans-1,2-Dichloroethene	ND		5.0		ug/L			10/13/20 10:56	1
trans-1,3-Dichloropropene	ND		5.0		ug/L			10/13/20 10:56	1
Trichloroethene	ND		5.0		ug/L			10/13/20 10:56	1
Trichlorofluoromethane	ND		5.0		ug/L			10/13/20 10:56	1
Vinyl acetate	ND		5.0		ug/L			10/13/20 10:56	1
Vinyl chloride	ND		5.0		ug/L			10/13/20 10:56	1

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

Lab Sample ID: MB 480-553591/8
Matrix: Water
Analysis Batch: 553591

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		5.0		ug/L			10/13/20 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*10/13/20 10:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*10/13/20 10:56*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*10/13/20 10:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*10/13/20 10:56*	*1*

Lab Sample ID: LCS 480-553591/5
Matrix: Water
Analysis Batch: 553591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1-Dichloroethane	25.0	23.8		ug/L		95	77 - 120
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.6		ug/L		107	56 - 134
1,1-Dichloroethene	25.0	25.6		ug/L		102	66 - 127
1,2-Dibromoethane	25.0	26.1		ug/L		104	77 - 120
1,2-Dichlorobenzene	25.0	26.2		ug/L		105	80 - 124
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,3-Dichlorobenzene	25.0	26.0		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	25.9		ug/L		104	80 - 120
Benzene	25.0	24.3		ug/L		97	71 - 124
Carbon tetrachloride	25.0	27.6		ug/L		110	72 - 134
Chlorobenzene	25.0	26.1		ug/L		104	80 - 120
Chloroform	25.0	24.1		ug/L		96	73 - 127
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
Cyclohexane	25.0	24.5		ug/L		98	59 - 135
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	50.0	49.9		ug/L		100	74 - 133
Methyl ethyl ketone (MEK)	125	138		ug/L		110	57 - 140
Methyl tert-butyl ether	25.0	23.5		ug/L		94	77 - 120
Methylcyclohexane	25.0	26.5		ug/L		106	68 - 134
Tetrachloroethene	25.0	25.7		ug/L		103	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.4		ug/L		98	73 - 127
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

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

Lab Sample ID: MB 480-553810/7
Matrix: Solid
Analysis Batch: 553810

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010		mg/L			10/14/20 11:23	1
1,2-Dichloroethane	ND		0.0010		mg/L			10/14/20 11:23	1
Benzene	ND		0.0010		mg/L			10/14/20 11:23	1
Carbon tetrachloride	ND		0.0010		mg/L			10/14/20 11:23	1
Chlorobenzene	ND		0.0010		mg/L			10/14/20 11:23	1
Chloroform	ND		0.0010		mg/L			10/14/20 11:23	1
Methyl ethyl ketone (MEK)	ND		0.0050		mg/L			10/14/20 11:23	1
Tetrachloroethene	ND		0.0010		mg/L			10/14/20 11:23	1
Trichloroethene	ND		0.0010		mg/L			10/14/20 11:23	1
Vinyl chloride	ND		0.0010		mg/L			10/14/20 11:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*10/14/20 11:23*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*10/14/20 11:23*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/14/20 11:23*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*10/14/20 11:23*	*1*

Lab Sample ID: LCS 480-553810/5
Matrix: Solid
Analysis Batch: 553810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0222		mg/L		89	66 - 127
1,2-Dichloroethane	0.0250	0.0245		mg/L		98	75 - 120
Benzene	0.0250	0.0226		mg/L		90	71 - 124
Carbon tetrachloride	0.0250	0.0253		mg/L		101	72 - 134
Chlorobenzene	0.0250	0.0235		mg/L		94	80 - 120
Chloroform	0.0250	0.0225		mg/L		90	73 - 127
Methyl ethyl ketone (MEK)	0.125	0.121		mg/L		97	57 - 140
Tetrachloroethene	0.0250	0.0239		mg/L		96	74 - 122
Trichloroethene	0.0250	0.0229		mg/L		92	74 - 123
Vinyl chloride	0.0250	0.0259		mg/L		104	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: LB 480-553443/1-A
Matrix: Solid
Analysis Batch: 553810

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010		mg/L			10/14/20 17:43	10
1,2-Dichloroethane	ND		0.010		mg/L			10/14/20 17:43	10
Benzene	ND		0.010		mg/L			10/14/20 17:43	10
Carbon tetrachloride	ND		0.010		mg/L			10/14/20 17:43	10

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

Lab Sample ID: LB 480-553443/1-A
Matrix: Solid
Analysis Batch: 553810

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		0.010		mg/L			10/14/20 17:43	10
Chloroform	ND		0.010		mg/L			10/14/20 17:43	10
Methyl ethyl ketone (MEK)	ND		0.050		mg/L			10/14/20 17:43	10
Tetrachloroethene	ND		0.010		mg/L			10/14/20 17:43	10
Trichloroethene	ND		0.010		mg/L			10/14/20 17:43	10
Vinyl chloride	ND		0.010		mg/L			10/14/20 17:43	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*10/14/20 17:43*	*10*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*10/14/20 17:43*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*10/14/20 17:43*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*10/14/20 17:43*	*10*

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

GC/MS VOA

Leach Batch: 553443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175977-1	IDW-01_20201002	TCLP	Solid	1311	
LB 480-553443/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 553591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175977-2	IDW-02_20201002	Total/NA	Water	8260C	
MB 480-553591/8	Method Blank	Total/NA	Water	8260C	
LCS 480-553591/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 553810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-175977-1	IDW-01_20201002	TCLP	Solid	8260C	553443
LB 480-553443/1-A	Method Blank	TCLP	Solid	8260C	553443
MB 480-553810/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-553810/5	Lab Control Sample	Total/NA	Solid	8260C	

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-175977-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: IDW-01_20201002
Lab Sample ID: 480-175977-1

Date Collected: 10/02/20 15:40
Matrix: Solid
Date Received: 10/05/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			553443	10/12/20 08:44	LMS	TAL BUF
TCLP	Analysis	8260C		10	553810	10/14/20 19:44	WJD	TAL BUF

Client Sample ID: IDW-02_20201002
Lab Sample ID: 480-175977-2

Date Collected: 10/02/20 15:50
Matrix: Water
Date Received: 10/05/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	553591	10/13/20 12:51	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-175977-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175977-1	IDW-01_20201002	Solid	10/02/20 15:40	10/05/20 10:00	
480-175977-2	IDW-02_20201002	Water	10/02/20 15:50	10/05/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-151295-33621.1
Client Contact: Mark Flusche	Phone: 585-880-7247	E-Mail: John.Schove@Eurofinset.com		Page: Page 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7470A, 8081B, 8151A, 8270D	8260C - TCLP Volatiles	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
IDW-01_20201002	10/2/20	1540	C	Solid			X	X		4	
				~~Solid~~							
IDW-02_20201002	10/2/20	1550	C	Water					X	3	

480-175977 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	10/2/20 1800	Arcadis		10/3/20 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#13.3

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 180-414369.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-175977-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 10/19/2020			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/1311_Z TCLP Volatiles	8260C/5030C_Leach TCLP Volatiles	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
IDW-01_20201002 (480-175977-1)	10/2/20	15:40 Eastern		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Matthew Jacks	10/8/20 1700	ETA Pitt	[illegible]	10/9/20 1200	TA
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.2# ICE

Ver: 01/16/2019

10/16/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-175977-1

Login Number: 175977

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.3 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177527-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/13/2020 11:22:35 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

Glossary

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

Job ID: 480-177527-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177527-1

Comments
No additional comments.

Receipt
The samples were received on 11/3/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-27 (12.5) (480-177527-1), D-27 (13.7) (480-177527-2), D-27 (32.9) (480-177527-3), D-27 (33.3) (480-177527-4), D-28 (13.9) (480-177527-5), D-28 (19.5) (480-177527-6) and D-28 (32.4) (480-177527-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: (480-177527-A-6-C MS) and (480-177527-A-6-D MSD). Because of this dilution,the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-28 (32.4) (480-177527-7). Elevated reporting limits (RLs) are provided.

Method 8260C: This analyte Toluene and Acetone was detected in sample D-27 (13.7) (480-177527-2) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, Toluene and Acetone were diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

Method 8260C: This analyte Toluene was detected in sample D-27 (12.5) (480-177527-1), D-27 (32.9) (480-177527-3) and D-27 (33.3) (480-177527-4) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, Toluene was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (12.5) — Lab Sample ID: 480-177527-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl ethyl ketone (MEK)	57	vs	27		ug/Kg	1	☼	8260C	Total/NA
Methyl isobutyl ketone (MIBK)	47	vs	27		ug/Kg	1	☼	8260C	Total/NA
Acetone	880	vs	27		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	1100	vs E	5.3		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	17	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Toluene	440	vs E	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	14000	vs E	5.3		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	1500		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene - DL	57000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-27 (13.7) — Lab Sample ID: 480-177527-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl ethyl ketone (MEK)	88	vs	28		ug/Kg	1	☼	8260C	Total/NA
Methyl isobutyl ketone (MIBK)	79	vs	28		ug/Kg	1	☼	8260C	Total/NA
Acetone	1400	vs E	28		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	2100	vs E	5.5		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	18	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	620	vs E	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	18000	vs E	5.5		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	13	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	2100		1200		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene - DL	81000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-27 (32.9) — Lab Sample ID: 480-177527-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl isobutyl ketone (MIBK)	36	vs	30		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	29	vs	6.0		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	120	vs	6.0		ug/Kg	1	☼	8260C	Total/NA
Toluene	1500	vs E	6.0		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	25000	vs E	6.0		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	160000		3400		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-27 (33.3) — Lab Sample ID: 480-177527-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl isobutyl ketone (MIBK)	45	vs	32		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	27	vs	6.5		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	86	vs	6.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	1200	vs E	6.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	25000	vs E	6.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	94000		2900		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-28 (13.9) — Lab Sample ID: 480-177527-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	1100	vs E	5.4		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	36	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	14	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	20	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Toluene	51	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	18000	vs E	5.4		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: D-28 (13.9) (Continued) — Lab Sample ID: 480-177527-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Xylenes, Total	62	vs	11		ug/Kg	1	☼	8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	4400		2300		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene - DL	120000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-28 (19.5) — Lab Sample ID: 480-177527-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	40	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane	41	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene	41	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	200	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	41	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	29	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	85	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	5.6	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	24000	vs E	5.5		ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	200	vs	11		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	120000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-28 (32.4) — Lab Sample ID: 480-177527-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	41000	E	290		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	23000		290		ug/Kg	2	☼	8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	43000		590		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene - DL	23000		590		ug/Kg	4	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (12.5)
Date Collected: 11/02/20 11:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-1
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,1-Dichloroethene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methyl ethyl ketone (MEK)	**57**	**vs**	27		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methyl isobutyl ketone (MIBK)	**47**	**vs**	27		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Acetone	**880**	**vs**	27		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Benzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Bromoform	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Chloroform	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
cis-1,2-Dichloroethene	**1100**	**vs E**	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Cyclohexane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Ethylbenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Styrene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Tetrachloroethene	**17**	**vs**	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Toluene	**440**	**vs E**	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
trans-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Trichloroethene	**14000**	**vs E**	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Vinyl chloride	ND	vs	5.3		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/04/20 09:59	11/04/20 16:38	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (12.5)
Date Collected: 11/02/20 11:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-1
Matrix: Solid
Percent Solids: 91.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*64 - 126*	*11/04/20 09:59*	*11/04/20 16:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/04/20 09:59*	*11/04/20 16:38*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*11/04/20 09:59*	*11/04/20 16:38*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*11/04/20 09:59*	*11/04/20 16:38*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methyl ethyl ketone (MEK)	ND		5700		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
2-Hexanone	ND		5700		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methyl isobutyl ketone (MIBK)	ND		5700		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Acetone	ND		5700		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Benzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Bromoform	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Bromomethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Chloroethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Chloroform	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Chloromethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
cis-1,2-Dichloroethene	**1500**		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Cyclohexane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methyl acetate	ND		5700		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Styrene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Toluene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10

Client Sample ID: D-27 (12.5)
Date Collected: 11/02/20 11:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-1
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Trichloroethene	**57000**		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 05:24	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*11/05/20 10:25*	*11/07/20 05:24*	*10*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/05/20 10:25*	*11/07/20 05:24*	*10*
Dibromofluoromethane (Surr)	*115*		*60 - 140*	*11/05/20 10:25*	*11/07/20 05:24*	*10*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/05/20 10:25*	*11/07/20 05:24*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (13.7)
Date Collected: 11/02/20 11:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-2
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,1-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methyl ethyl ketone (MEK)	**88**	**vs**	28		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methyl isobutyl ketone (MIBK)	**79**	**vs**	28		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Acetone	**1400**	**vs E**	28		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
cis-1,2-Dichloroethene	**2100**	**vs E**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Cyclohexane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Tetrachloroethene	**18**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Toluene	**620**	**vs E**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
trans-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Trichloroethene	**18000**	**vs E**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Vinyl chloride	**13**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/04/20 09:59	11/04/20 17:03	1

Client Sample ID: D-27 (13.7)
Date Collected: 11/02/20 11:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-2
Matrix: Solid
Percent Solids: 89.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*64 - 126*	*11/04/20 09:59*	*11/04/20 17:03*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*11/04/20 09:59*	*11/04/20 17:03*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/04/20 09:59*	*11/04/20 17:03*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/04/20 09:59*	*11/04/20 17:03*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methyl ethyl ketone (MEK)	ND		5900		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
2-Hexanone	ND		5900		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methyl isobutyl ketone (MIBK)	ND		5900		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Acetone	ND		5900		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Benzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Bromodichloromethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Bromoform	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Bromomethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Carbon disulfide	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Chlorobenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Chloroethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Chloroform	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Chloromethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
cis-1,2-Dichloroethene	**2100**		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Cyclohexane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Dibromochloromethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Ethylbenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Isopropylbenzene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methyl acetate	ND		5900		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methylcyclohexane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Methylene Chloride	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Styrene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Tetrachloroethene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Toluene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (13.7)
Date Collected: 11/02/20 11:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-2
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Trichloroethene	**81000**		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Vinyl chloride	ND		1200		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 05:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*11/05/20 10:25*	*11/07/20 05:47*	*10*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*11/05/20 10:25*	*11/07/20 05:47*	*10*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*11/05/20 10:25*	*11/07/20 05:47*	*10*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/05/20 10:25*	*11/07/20 05:47*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (32.9)
Date Collected: 11/02/20 12:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-3
Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,1,2,2-Tetrachloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,1,2-Trichloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,1-Dichloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,1-Dichloroethene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2,4-Trichlorobenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2-Dibromoethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2-Dichloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,2-Dichloropropane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,3-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
1,4-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methyl ethyl ketone (MEK)	ND	vs	30		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
2-Hexanone	ND	vs	30		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methyl isobutyl ketone (MIBK)	**36**	**vs**	30		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Acetone	ND	vs	30		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Benzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Bromodichloromethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Bromoform	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Bromomethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Carbon disulfide	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Carbon tetrachloride	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Chlorobenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Chloroethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Chloroform	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Chloromethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
cis-1,2-Dichloroethene	**29**	**vs**	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
cis-1,3-Dichloropropene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Cyclohexane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Dibromochloromethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Dichlorodifluoromethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Ethylbenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Isopropylbenzene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methyl acetate	ND	vs	30		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methyl tert-butyl ether	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methylcyclohexane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Methylene Chloride	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Styrene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Tetrachloroethene	**120**	**vs**	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Toluene	**1500**	**vs E**	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
trans-1,2-Dichloroethene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
trans-1,3-Dichloropropene	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Trichloroethene	**25000**	**vs E**	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Trichlorofluoromethane	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Vinyl chloride	ND	vs	6.0		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	11/04/20 09:59	11/04/20 17:28	1

Client Sample ID: D-27 (32.9)
Date Collected: 11/02/20 12:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-3
Matrix: Solid
Percent Solids: 80.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*11/04/20 09:59*	*11/04/20 17:28*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*11/04/20 09:59*	*11/04/20 17:28*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*11/04/20 09:59*	*11/04/20 17:28*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*11/04/20 09:59*	*11/04/20 17:28*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,1,2,2-Tetrachloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,1,2-Trichloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,1-Dichloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,1-Dichloroethene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2,4-Trichlorobenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2-Dibromo-3-Chloropropane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2-Dibromoethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2-Dichlorobenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2-Dichloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,2-Dichloropropane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,3-Dichlorobenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
1,4-Dichlorobenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methyl ethyl ketone (MEK)	ND		17000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
2-Hexanone	ND		17000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methyl isobutyl ketone (MIBK)	ND		17000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Acetone	ND		17000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Benzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Bromodichloromethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Bromoform	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Bromomethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Carbon disulfide	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Carbon tetrachloride	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Chlorobenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Chloroethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Chloroform	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Chloromethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
cis-1,2-Dichloroethene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
cis-1,3-Dichloropropene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Cyclohexane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Dibromochloromethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Dichlorodifluoromethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Ethylbenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Isopropylbenzene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methyl acetate	ND		17000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methyl tert-butyl ether	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methylcyclohexane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Methylene Chloride	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Styrene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Tetrachloroethene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Toluene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
trans-1,2-Dichloroethene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (32.9)
Date Collected: 11/02/20 12:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-3
Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Trichloroethene	**160000**		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Trichlorofluoromethane	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Vinyl chloride	ND		3400		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25
Xylenes, Total	ND		6700		ug/Kg	☼	11/05/20 10:25	11/07/20 06:10	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*11/05/20 10:25*	*11/07/20 06:10*	*25*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/05/20 10:25*	*11/07/20 06:10*	*25*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/05/20 10:25*	*11/07/20 06:10*	*25*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/05/20 10:25*	*11/07/20 06:10*	*25*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (33.3)
Date Collected: 11/02/20 12:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-4
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,1,2,2-Tetrachloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,1,2-Trichloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,1-Dichloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,1-Dichloroethene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2,4-Trichlorobenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2-Dibromoethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2-Dichlorobenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2-Dichloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,2-Dichloropropane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,3-Dichlorobenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
1,4-Dichlorobenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methyl ethyl ketone (MEK)	ND	vs	32		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
2-Hexanone	ND	vs	32		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methyl isobutyl ketone (MIBK)	**45**	**vs**	32		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Acetone	ND	vs	32		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Benzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Bromodichloromethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Bromoform	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Bromomethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Carbon disulfide	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Carbon tetrachloride	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Chlorobenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Chloroethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Chloroform	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Chloromethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
cis-1,2-Dichloroethene	**27**	**vs**	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
cis-1,3-Dichloropropene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Cyclohexane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Dibromochloromethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Dichlorodifluoromethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Ethylbenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Isopropylbenzene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methyl acetate	ND	vs	32		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methyl tert-butyl ether	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methylcyclohexane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Methylene Chloride	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Styrene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Tetrachloroethene	**86**	**vs**	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Toluene	**1200**	**vs E**	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
trans-1,2-Dichloroethene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
trans-1,3-Dichloropropene	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Trichloroethene	**25000**	**vs E**	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Trichlorofluoromethane	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Vinyl chloride	ND	vs	6.5		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1
Xylenes, Total	ND	vs	13		ug/Kg	☼	11/04/20 09:59	11/04/20 17:53	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (33.3)
Date Collected: 11/02/20 12:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-4
Matrix: Solid
Percent Solids: 76.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		64 - 126	11/04/20 09:59	11/04/20 17:53	1
4-Bromofluorobenzene (Surr)	92		72 - 126	11/04/20 09:59	11/04/20 17:53	1
Dibromofluoromethane (Surr)	98		60 - 140	11/04/20 09:59	11/04/20 17:53	1
Toluene-d8 (Surr)	99		71 - 125	11/04/20 09:59	11/04/20 17:53	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,1-Dichloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,1-Dichloroethene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2-Dibromoethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2-Dichloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,2-Dichloropropane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methyl ethyl ketone (MEK)	ND		15000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
2-Hexanone	ND		15000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Acetone	ND		15000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Benzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Bromodichloromethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Bromoform	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Bromomethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Carbon disulfide	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Carbon tetrachloride	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Chlorobenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Chloroethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Chloroform	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Chloromethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Cyclohexane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Dibromochloromethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Ethylbenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Isopropylbenzene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methyl acetate	ND		15000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methylcyclohexane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Methylene Chloride	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Styrene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Tetrachloroethene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Toluene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (33.3)
Date Collected: 11/02/20 12:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-4
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Trichloroethene	**94000**		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Trichlorofluoromethane	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Vinyl chloride	ND		2900		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20
Xylenes, Total	ND		5800		ug/Kg	☼	11/05/20 10:25	11/07/20 06:33	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/05/20 10:25*	*11/07/20 06:33*	*20*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/05/20 10:25*	*11/07/20 06:33*	*20*
Dibromofluoromethane (Surr)	*113*		*60 - 140*	*11/05/20 10:25*	*11/07/20 06:33*	*20*
Toluene-d8 (Surr)	*106*		*50 - 149*	*11/05/20 10:25*	*11/07/20 06:33*	*20*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (13.9)
Date Collected: 11/02/20 13:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-5
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1100**	**vs E**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,1,2-Trichloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,1-Dichloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,1-Dichloroethene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2,4-Trichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2-Dibromoethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2-Dichloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,2-Dichloropropane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,3-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
1,4-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Acetone	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Benzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Bromodichloromethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Bromoform	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Bromomethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Carbon disulfide	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Carbon tetrachloride	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Chlorobenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Chloroethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Chloroform	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Chloromethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
cis-1,2-Dichloroethene	**36**	**vs**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
cis-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Cyclohexane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Dibromochloromethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Dichlorodifluoromethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Ethylbenzene	**14**	**vs**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Isopropylbenzene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methyl tert-butyl ether	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methylcyclohexane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Methylene Chloride	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Styrene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Tetrachloroethene	**20**	**vs**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Toluene	**51**	**vs**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
trans-1,2-Dichloroethene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
trans-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Trichloroethene	**18000**	**vs E**	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Trichlorofluoromethane	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Vinyl chloride	ND	vs	5.4		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1
Xylenes, Total	**62**	**vs**	11		ug/Kg	☼	11/04/20 09:59	11/04/20 18:18	1

Client Sample ID: D-28 (13.9)
Date Collected: 11/02/20 13:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-5
Matrix: Solid
Percent Solids: 90.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*64 - 126*	*11/04/20 09:59*	*11/04/20 18:18*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*11/04/20 09:59*	*11/04/20 18:18*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/04/20 09:59*	*11/04/20 18:18*	*1*
Toluene-d8 (Surr)	*98*		*71 - 125*	*11/04/20 09:59*	*11/04/20 18:18*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**4400**		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methyl ethyl ketone (MEK)	ND		11000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
2-Hexanone	ND		11000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methyl isobutyl ketone (MIBK)	ND		11000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Acetone	ND		11000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Benzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Bromodichloromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Bromoform	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Bromomethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Carbon disulfide	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Chlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Chloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Chloroform	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Chloromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Cyclohexane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Dibromochloromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Ethylbenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Isopropylbenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methyl acetate	ND		11000		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methylcyclohexane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Methylene Chloride	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Styrene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Tetrachloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Toluene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (13.9)
Date Collected: 11/02/20 13:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-5
Matrix: Solid
Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Trichloroethene	**120000**		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Vinyl chloride	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20
Xylenes, Total	ND		4600		ug/Kg	☼	11/05/20 10:25	11/07/20 06:57	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*11/05/20 10:25*	*11/07/20 06:57*	*20*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*	*11/05/20 10:25*	*11/07/20 06:57*	*20*
Dibromofluoromethane (Surr)	*112*		*60 - 140*	*11/05/20 10:25*	*11/07/20 06:57*	*20*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/05/20 10:25*	*11/07/20 06:57*	*20*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (19.5)
Date Collected: 11/02/20 14:00
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-6
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**40**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,1-Dichloroethane	**41**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,1-Dichloroethene	**41**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Acetone	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
cis-1,2-Dichloroethene	**200**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Cyclohexane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Ethylbenzene	**41**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Tetrachloroethene	**29**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Toluene	**85**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
trans-1,2-Dichloroethene	**5.6**	**vs**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Trichloroethene	**24000**	**vs E**	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Vinyl chloride	ND	vs	5.5		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1
Xylenes, Total	**200**	**vs**	11		ug/Kg	☼	11/04/20 09:59	11/04/20 18:43	1

Client Sample ID: D-28 (19.5)
Date Collected: 11/02/20 14:00
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-6
Matrix: Solid
Percent Solids: 89.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*64 - 126*	*11/04/20 09:59*	*11/04/20 18:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/04/20 09:59*	*11/04/20 18:43*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*11/04/20 09:59*	*11/04/20 18:43*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/04/20 09:59*	*11/04/20 18:43*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,1-Dichloroethene	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methyl ethyl ketone (MEK)	ND		12000		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
2-Hexanone	ND		12000		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methyl isobutyl ketone (MIBK)	ND		12000		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Acetone	ND	F1	12000		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Benzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Bromodichloromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Bromoform	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Bromomethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Carbon disulfide	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Carbon tetrachloride	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Chlorobenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Chloroethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Chloroform	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Chloromethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Cyclohexane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Dibromochloromethane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Dichlorodifluoromethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Ethylbenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Isopropylbenzene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methyl acetate	ND	F1	12000		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methylcyclohexane	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Methylene Chloride	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Styrene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Tetrachloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Toluene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (19.5)
Date Collected: 11/02/20 14:00
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-6
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Trichloroethene	**120000**		2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Trichlorofluoromethane	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Vinyl chloride	ND	F1	2300		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20
Xylenes, Total	ND	F1	4700		ug/Kg	☼	11/05/20 10:25	11/07/20 07:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/05/20 10:25*	*11/07/20 07:20*	*20*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*11/05/20 10:25*	*11/07/20 07:20*	*20*
Dibromofluoromethane (Surr)	*113*		*60 - 140*	*11/05/20 10:25*	*11/07/20 07:20*	*20*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/05/20 10:25*	*11/07/20 07:20*	*20*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (32.4)
Date Collected: 11/02/20 14:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-7
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,1,2,2-Tetrachloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,1,2-Trichloro-1,2,2-trifluoroethane	**41000**	**E**	290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,1,2-Trichloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,1-Dichloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,1-Dichloroethene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2,4-Trichlorobenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2-Dibromo-3-Chloropropane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2-Dibromoethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2-Dichlorobenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2-Dichloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,2-Dichloropropane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,3-Dichlorobenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
1,4-Dichlorobenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methyl ethyl ketone (MEK)	ND		1500		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
2-Hexanone	ND		1500		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methyl isobutyl ketone (MIBK)	ND		1500		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Acetone	ND		1500		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Benzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Bromodichloromethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Bromoform	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Bromomethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Carbon disulfide	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Carbon tetrachloride	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Chlorobenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Chloroethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Chloroform	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Chloromethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
cis-1,2-Dichloroethene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
cis-1,3-Dichloropropene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Cyclohexane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Dibromochloromethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Dichlorodifluoromethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Ethylbenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Isopropylbenzene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methyl acetate	ND		1500		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methyl tert-butyl ether	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methylcyclohexane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Methylene Chloride	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Styrene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Tetrachloroethene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Toluene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
trans-1,2-Dichloroethene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
trans-1,3-Dichloropropene	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Trichloroethene	**23000**		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Trichlorofluoromethane	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Vinyl chloride	ND		290		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2
Xylenes, Total	ND		590		ug/Kg	☼	11/05/20 10:25	11/07/20 07:43	2

Client Sample ID: D-28 (32.4)
Date Collected: 11/02/20 14:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-7
Matrix: Solid
Percent Solids: 76.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*11/05/20 10:25*	*11/07/20 07:43*	*2*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*11/05/20 10:25*	*11/07/20 07:43*	*2*
Dibromofluoromethane (Surr)	*115*		*60 - 140*	*11/05/20 10:25*	*11/07/20 07:43*	*2*
Toluene-d8 (Surr)	*102*		*50 - 149*	*11/05/20 10:25*	*11/07/20 07:43*	*2*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,1,2,2-Tetrachloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,1,2-Trichloro-1,2,2-trifluoroethane	**43000**		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,1,2-Trichloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,1-Dichloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,1-Dichloroethene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2,4-Trichlorobenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2-Dibromo-3-Chloropropane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2-Dibromoethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2-Dichlorobenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2-Dichloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,2-Dichloropropane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,3-Dichlorobenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
1,4-Dichlorobenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methyl ethyl ketone (MEK)	ND		2900		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
2-Hexanone	ND		2900		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methyl isobutyl ketone (MIBK)	ND		2900		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Acetone	ND		2900		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Benzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Bromodichloromethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Bromoform	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Bromomethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Carbon disulfide	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Carbon tetrachloride	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Chlorobenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Chloroethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Chloroform	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Chloromethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
cis-1,2-Dichloroethene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
cis-1,3-Dichloropropene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Cyclohexane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Dibromochloromethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Dichlorodifluoromethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Ethylbenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Isopropylbenzene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methyl acetate	ND		2900		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methyl tert-butyl ether	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methylcyclohexane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Methylene Chloride	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Styrene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Tetrachloroethene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Toluene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-28 (32.4)
Date Collected: 11/02/20 14:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-7
Matrix: Solid
Percent Solids: 76.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
trans-1,3-Dichloropropene	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Trichloroethene	**23000**		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Trichlorofluoromethane	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Vinyl chloride	ND		590		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4
Xylenes, Total	ND		1200		ug/Kg	☼	11/05/20 10:25	11/10/20 18:00	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*11/05/20 10:25*	*11/10/20 18:00*	*4*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*11/05/20 10:25*	*11/10/20 18:00*	*4*
Dibromofluoromethane (Surr)	*115*		*60 - 140*	*11/05/20 10:25*	*11/10/20 18:00*	*4*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/05/20 10:25*	*11/10/20 18:00*	*4*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-177527-1	D-27 (12.5)	108	99	97	100
480-177527-2	D-27 (13.7)	116	96	104	102
480-177527-3	D-27 (32.9)	113	91	109	101
480-177527-4	D-27 (33.3)	110	92	98	99
480-177527-5	D-28 (13.9)	115	91	107	98
480-177527-6	D-28 (19.5)	113	99	103	102
LCS 480-557358/1-A	Lab Control Sample	107	108	107	97
MB 480-557358/2-A	Method Blank	119	99	105	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177527-1 - DL	D-27 (12.5)	108	110	115	104
480-177527-2 - DL	D-27 (13.7)	99	107	109	105
480-177527-3 - DL	D-27 (32.9)	103	110	107	105
480-177527-4 - DL	D-27 (33.3)	105	110	113	106
480-177527-5 - DL	D-28 (13.9)	106	105	112	103
480-177527-6 - DL	D-28 (19.5)	102	112	113	104
480-177527-6 MS	D-28 (19.5)	101	109	112	103
480-177527-6 MSD	D-28 (19.5)	97	109	107	104
480-177527-7	D-28 (32.4)	107	107	115	102
480-177527-7 - DL	D-28 (32.4)	108	111	115	105
LCS 480-557566/1-A	Lab Control Sample	112	105	117	101
MB 480-557566/2-A	Method Blank	105	108	104	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-557358/2-A
Matrix: Solid
Analysis Batch: 557288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557358

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,1-Dichloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,1-Dichloroethene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2-Dibromoethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2-Dichloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,2-Dichloropropane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
2-Hexanone	ND		25		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Acetone	ND		25		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Benzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Bromodichloromethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Bromoform	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Bromomethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Carbon disulfide	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Carbon tetrachloride	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Chlorobenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Chloroethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Chloroform	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Chloromethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Cyclohexane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Dibromochloromethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Ethylbenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Isopropylbenzene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methyl acetate	ND		25		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methylcyclohexane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Methylene Chloride	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Styrene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Tetrachloroethene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Toluene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Trichloroethene	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Trichlorofluoromethane	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Vinyl chloride	ND		5.0		ug/Kg		11/04/20 09:59	11/04/20 11:25	1
Xylenes, Total	ND		10		ug/Kg		11/04/20 09:59	11/04/20 11:25	1

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

Lab Sample ID: MB 480-557358/2-A
Matrix: Solid
Analysis Batch: 557288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557358

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*119*		*64 - 126*	*11/04/20 09:59*	*11/04/20 11:25*	*1*
4-Bromofluorobenzene (Surr)	*99*		*72 - 126*	*11/04/20 09:59*	*11/04/20 11:25*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*11/04/20 09:59*	*11/04/20 11:25*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*11/04/20 09:59*	*11/04/20 11:25*	*1*

Lab Sample ID: LCS 480-557358/1-A
Matrix: Solid
Analysis Batch: 557288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	52.1		ug/Kg		104	77 - 121
1,1,2,2-Tetrachloroethane	50.0	42.5		ug/Kg		85	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.5		ug/Kg		95	60 - 140
1,1,2-Trichloroethane	50.0	46.4		ug/Kg		93	78 - 122
1,1-Dichloroethane	50.0	49.9		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	44.8		ug/Kg		90	59 - 125
1,2,4-Trichlorobenzene	50.0	46.2		ug/Kg		92	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	42.3		ug/Kg		85	63 - 124
1,2-Dibromoethane	50.0	46.0		ug/Kg		92	78 - 120
1,2-Dichlorobenzene	50.0	46.4		ug/Kg		93	75 - 120
1,2-Dichloroethane	50.0	51.1		ug/Kg		102	77 - 122
1,2-Dichloropropane	50.0	52.0		ug/Kg		104	75 - 124
1,3-Dichlorobenzene	50.0	47.0		ug/Kg		94	74 - 120
1,4-Dichlorobenzene	50.0	46.4		ug/Kg		93	73 - 120
Methyl ethyl ketone (MEK)	250	263		ug/Kg		105	70 - 134
2-Hexanone	250	257		ug/Kg		103	59 - 130
Methyl isobutyl ketone (MIBK)	250	244		ug/Kg		98	65 - 133
Acetone	250	298		ug/Kg		119	61 - 137
Benzene	50.0	49.2		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	53.0		ug/Kg		106	80 - 122
Bromoform	50.0	51.8		ug/Kg		104	68 - 126
Bromomethane	50.0	68.3		ug/Kg		137	37 - 149
Carbon disulfide	50.0	51.1		ug/Kg		102	64 - 131
Carbon tetrachloride	50.0	50.3		ug/Kg		101	75 - 135
Chlorobenzene	50.0	47.1		ug/Kg		94	76 - 124
Chloroethane	50.0	59.1		ug/Kg		118	69 - 135
Chloroform	50.0	49.2		ug/Kg		98	80 - 120
Chloromethane	50.0	53.3		ug/Kg		107	63 - 127
cis-1,2-Dichloroethene	50.0	46.7		ug/Kg		93	81 - 120
cis-1,3-Dichloropropene	50.0	51.0		ug/Kg		102	80 - 120
Cyclohexane	50.0	47.8		ug/Kg		96	65 - 120
Dibromochloromethane	50.0	49.2		ug/Kg		98	76 - 125
Dichlorodifluoromethane	50.0	42.5		ug/Kg		85	57 - 142
Ethylbenzene	50.0	48.3		ug/Kg		97	80 - 120
Isopropylbenzene	50.0	44.4		ug/Kg		89	72 - 120
Methyl acetate	100	99.5		ug/Kg		100	55 - 136
Methyl tert-butyl ether	50.0	48.9		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	47.0		ug/Kg		94	60 - 140

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

Lab Sample ID: LCS 480-557358/1-A
Matrix: Solid
Analysis Batch: 557288

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	50.8		ug/Kg		102	61 - 127
Styrene	50.0	48.1		ug/Kg		96	80 - 120
Tetrachloroethene	50.0	46.6		ug/Kg		93	74 - 122
Toluene	50.0	46.8		ug/Kg		94	74 - 128
trans-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	78 - 126
trans-1,3-Dichloropropene	50.0	46.5		ug/Kg		93	73 - 123
Trichloroethene	50.0	48.9		ug/Kg		98	77 - 129
Trichlorofluoromethane	50.0	53.1		ug/Kg		106	65 - 146
Vinyl chloride	50.0	48.9		ug/Kg		98	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 126*
4-Bromofluorobenzene (Surr)	*108*		*72 - 126*
Dibromofluoromethane (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*97*		*71 - 125*

Lab Sample ID: MB 480-557566/2-A
Matrix: Solid
Analysis Batch: 557762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,1-Dichloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,1-Dichloroethene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2-Dibromoethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2-Dichloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,2-Dichloropropane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
2-Hexanone	ND		500		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Acetone	ND		500		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Benzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Bromodichloromethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Bromoform	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Bromomethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Carbon disulfide	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Carbon tetrachloride	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Chlorobenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Chloroethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Chloroform	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1

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

Lab Sample ID: MB 480-557566/2-A
Matrix: Solid
Analysis Batch: 557762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557566

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Cyclohexane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Dibromochloromethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Ethylbenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Isopropylbenzene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methyl acetate	ND		500		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methylcyclohexane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Methylene Chloride	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Styrene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Tetrachloroethene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Toluene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Trichloroethene	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Trichlorofluoromethane	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Vinyl chloride	ND		100		ug/Kg		11/05/20 10:25	11/06/20 14:22	1
Xylenes, Total	ND		200		ug/Kg		11/05/20 10:25	11/06/20 14:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/05/20 10:25*	*11/06/20 14:22*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*11/05/20 10:25*	*11/06/20 14:22*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/05/20 10:25*	*11/06/20 14:22*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/05/20 10:25*	*11/06/20 14:22*	*1*

Lab Sample ID: LCS 480-557566/1-A
Matrix: Solid
Analysis Batch: 557762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	3040		ug/Kg		122	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2370		ug/Kg		95	10 - 179
1,1,2-Trichloroethane	2500	2680		ug/Kg		107	80 - 120
1,1-Dichloroethane	2500	2740		ug/Kg		109	78 - 121
1,1-Dichloroethene	2500	2350		ug/Kg		94	48 - 133
1,2,4-Trichlorobenzene	2500	2940		ug/Kg		118	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2540		ug/Kg		102	56 - 122
1,2-Dibromoethane	2500	2650		ug/Kg		106	80 - 120
1,2-Dichlorobenzene	2500	2580		ug/Kg		103	78 - 125
1,2-Dichloroethane	2500	2870		ug/Kg		115	74 - 127
1,2-Dichloropropane	2500	2750		ug/Kg		110	80 - 120
1,3-Dichlorobenzene	2500	2620		ug/Kg		105	80 - 120
1,4-Dichlorobenzene	2500	2520		ug/Kg		101	80 - 120
Methyl ethyl ketone (MEK)	12500	11300		ug/Kg		91	54 - 149

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

Lab Sample ID: LCS 480-557566/1-A
Matrix: Solid
Analysis Batch: 557762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Methyl isobutyl ketone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	10300		ug/Kg		82	47 - 141
Benzene	2500	2790		ug/Kg		112	77 - 125
Bromodichloromethane	2500	2800		ug/Kg		112	71 - 121
Bromoform	2500	2700		ug/Kg		108	48 - 125
Bromomethane	2500	2190		ug/Kg		88	39 - 149
Carbon disulfide	2500	2470		ug/Kg		99	40 - 136
Carbon tetrachloride	2500	3070		ug/Kg		123	54 - 135
Chlorobenzene	2500	2780		ug/Kg		111	76 - 126
Chloroethane	2500	1600		ug/Kg		64	23 - 150
Chloroform	2500	2720		ug/Kg		109	78 - 120
Chloromethane	2500	2240		ug/Kg		90	61 - 124
cis-1,2-Dichloroethene	2500	2780		ug/Kg		111	79 - 124
cis-1,3-Dichloropropene	2500	2870		ug/Kg		115	75 - 121
Cyclohexane	2500	2680		ug/Kg		107	49 - 129
Dibromochloromethane	2500	2770		ug/Kg		111	64 - 120
Dichlorodifluoromethane	2500	2560		ug/Kg		102	10 - 150
Ethylbenzene	2500	2650		ug/Kg		106	78 - 124
Isopropylbenzene	2500	2670		ug/Kg		107	76 - 120
Methyl acetate	5000	5270		ug/Kg		105	71 - 123
Methyl tert-butyl ether	2500	2650		ug/Kg		106	67 - 137
Methylcyclohexane	2500	2850		ug/Kg		114	50 - 130
Methylene Chloride	2500	2700		ug/Kg		108	75 - 118
Styrene	2500	2740		ug/Kg		110	80 - 120
Tetrachloroethene	2500	2890		ug/Kg		116	73 - 133
Toluene	2500	2670		ug/Kg		107	75 - 124
trans-1,2-Dichloroethene	2500	2760		ug/Kg		110	74 - 129
trans-1,3-Dichloropropene	2500	2730		ug/Kg		109	73 - 120
Trichloroethene	2500	2840		ug/Kg		114	75 - 131
Trichlorofluoromethane	2500	2710		ug/Kg		108	29 - 158
Vinyl chloride	2500	2400		ug/Kg		96	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*117*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-177527-6 MS
Matrix: Solid
Analysis Batch: 557838

Client Sample ID: D-28 (19.5)
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2800	3350		ug/Kg	☼	120	64 - 142
1,1,2,2-Tetrachloroethane	ND		2800	2870		ug/Kg	☼	102	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2800	2820		ug/Kg	☼	101	64 - 154
1,1,2-Trichloroethane	ND		2800	3360		ug/Kg	☼	120	63 - 133

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

Lab Sample ID: 480-177527-6 MS
Matrix: Solid
Analysis Batch: 557838

Client Sample ID: D-28 (19.5)
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		2800	3030		ug/Kg	☼	108	64 - 135
1,1-Dichloroethene	ND	F1	2800	2720		ug/Kg	☼	97	62 - 145
1,2,4-Trichlorobenzene	ND		2800	3130		ug/Kg	☼	112	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2800	2610		ug/Kg	☼	93	40 - 122
1,2-Dibromoethane	ND		2800	2760		ug/Kg	☼	98	65 - 133
1,2-Dichlorobenzene	ND		2800	2960		ug/Kg	☼	106	68 - 133
1,2-Dichloroethane	ND		2800	2940		ug/Kg	☼	105	62 - 135
1,2-Dichloropropane	ND		2800	2780		ug/Kg	☼	99	67 - 139
1,3-Dichlorobenzene	ND		2800	2990		ug/Kg	☼	107	68 - 136
1,4-Dichlorobenzene	ND		2800	2820		ug/Kg	☼	101	69 - 136
Methyl ethyl ketone (MEK)	ND		14000	13400		ug/Kg	☼	96	46 - 132
2-Hexanone	ND		14000	12400		ug/Kg	☼	89	44 - 130
Methyl isobutyl ketone (MIBK)	ND		14000	12600		ug/Kg	☼	90	49 - 125
Acetone	ND	F1	14000	13600		ug/Kg	☼	97	32 - 136
Benzene	ND		2800	3010		ug/Kg	☼	107	68 - 137
Bromodichloromethane	ND		2800	2790		ug/Kg	☼	100	62 - 136
Bromoform	ND		2800	ND		ug/Kg	☼	78	43 - 134
Bromomethane	ND	F1	2800	2660		ug/Kg	☼	95	38 - 137
Carbon disulfide	ND		2800	2630		ug/Kg	☼	94	52 - 139
Carbon tetrachloride	ND	F1	2800	2710		ug/Kg	☼	97	60 - 150
Chlorobenzene	ND		2800	3170		ug/Kg	☼	113	67 - 136
Chloroethane	ND	F1	2800	ND		ug/Kg	☼	84	34 - 140
Chloroform	ND		2800	3300		ug/Kg	☼	118	64 - 133
Chloromethane	ND	F1	2800	2470		ug/Kg	☼	88	47 - 143
cis-1,2-Dichloroethene	ND		2800	3160		ug/Kg	☼	113	65 - 137
cis-1,3-Dichloropropene	ND		2800	2680		ug/Kg	☼	96	61 - 148
Cyclohexane	ND		2800	2830		ug/Kg	☼	101	63 - 149
Dibromochloromethane	ND		2800	2630		ug/Kg	☼	94	57 - 137
Dichlorodifluoromethane	ND	F1	2800	ND		ug/Kg	☼	76	26 - 150
Ethylbenzene	ND		2800	3270		ug/Kg	☼	117	67 - 136
Isopropylbenzene	ND		2800	3140		ug/Kg	☼	112	65 - 147
Methyl acetate	ND	F1	5600	ND		ug/Kg	☼	90	50 - 124
Methyl tert-butyl ether	ND		2800	2740		ug/Kg	☼	98	60 - 130
Methylcyclohexane	ND		2800	2960		ug/Kg	☼	106	67 - 150
Methylene Chloride	ND	F1	2800	ND	F1	ug/Kg	☼	24	63 - 138
Styrene	ND		2800	2750		ug/Kg	☼	98	68 - 137
Tetrachloroethene	ND		2800	3020		ug/Kg	☼	108	67 - 150
Toluene	ND		2800	3160		ug/Kg	☼	113	68 - 137
trans-1,2-Dichloroethene	ND		2800	3170		ug/Kg	☼	113	65 - 138
trans-1,3-Dichloropropene	ND	F1	2800	2520		ug/Kg	☼	90	58 - 143
Trichloroethene	120000		2800	118000	4	ug/Kg	☼	-7	69 - 143
Trichlorofluoromethane	ND	F1	2800	2680		ug/Kg	☼	96	35 - 150
Vinyl chloride	ND	F1	2800	ND		ug/Kg	☼	79	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*
Dibromofluoromethane (Surr)	*112*		*60 - 140*

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

Lab Sample ID: 480-177527-6 MS
Matrix: Solid
Analysis Batch: 557838

Client Sample ID: D-28 (19.5)
Prep Type: Total/NA
Prep Batch: 557566

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	103		50 - 149

Lab Sample ID: 480-177527-6 MSD
Matrix: Solid
Analysis Batch: 557838

Client Sample ID: D-28 (19.5)
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2800	2470	F2	ug/Kg	☼	88	64 - 142	30	20
1,1,2,2-Tetrachloroethane	ND		2800	2900		ug/Kg	☼	104	56 - 128	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2800	2780		ug/Kg	☼	99	64 - 154	2	20
1,1,2-Trichloroethane	ND		2800	3250		ug/Kg	☼	116	63 - 133	3	20
1,1-Dichloroethane	ND		2800	2580		ug/Kg	☼	92	64 - 135	16	20
1,1-Dichloroethene	ND	F1	2800	2890		ug/Kg	☼	103	62 - 145	6	20
1,2,4-Trichlorobenzene	ND		2800	2690		ug/Kg	☼	96	56 - 145	15	20
1,2-Dibromo-3-Chloropropane	ND		2800	ND	F1	ug/Kg	☼	0	40 - 122	NC	20
1,2-Dibromoethane	ND		2800	3100		ug/Kg	☼	111	65 - 133	12	20
1,2-Dichlorobenzene	ND		2800	2950		ug/Kg	☼	105	68 - 133	0	20
1,2-Dichloroethane	ND		2800	2710		ug/Kg	☼	97	62 - 135	8	20
1,2-Dichloropropane	ND		2800	2740		ug/Kg	☼	98	67 - 139	2	20
1,3-Dichlorobenzene	ND		2800	2700		ug/Kg	☼	97	68 - 136	10	20
1,4-Dichlorobenzene	ND		2800	2950		ug/Kg	☼	105	69 - 136	5	20
Methyl ethyl ketone (MEK)	ND		14000	12100		ug/Kg	☼	86	46 - 132	10	20
2-Hexanone	ND		14000	ND		ug/Kg	☼	80	44 - 130	10	20
Methyl isobutyl ketone (MIBK)	ND		14000	12700		ug/Kg	☼	90	49 - 125	1	20
Acetone	ND	F1	14000	ND	F1	ug/Kg	☼	0	32 - 136	NC	20
Benzene	ND		2800	2890		ug/Kg	☼	103	68 - 137	4	20
Bromodichloromethane	ND		2800	2420		ug/Kg	☼	86	62 - 136	14	20
Bromoform	ND		2800	2650		ug/Kg	☼	95	43 - 134	19	20
Bromomethane	ND	F1	2800	ND	F1	ug/Kg	☼	0	38 - 137	NC	20
Carbon disulfide	ND		2800	ND		ug/Kg	☼	81	52 - 139	16	20
Carbon tetrachloride	ND	F1	2800	2910		ug/Kg	☼	104	60 - 150	7	20
Chlorobenzene	ND		2800	3270		ug/Kg	☼	117	67 - 136	3	20
Chloroethane	ND	F1	2800	ND		ug/Kg	☼	84	34 - 140	1	20
Chloroform	ND		2800	2920		ug/Kg	☼	104	64 - 133	12	20
Chloromethane	ND	F1	2800	ND	F1	ug/Kg	☼	0	47 - 143	NC	20
cis-1,2-Dichloroethene	ND		2800	3020		ug/Kg	☼	108	65 - 137	5	20
cis-1,3-Dichloropropene	ND		2800	ND		ug/Kg	☼	81	61 - 148	16	20
Cyclohexane	ND		2800	2630		ug/Kg	☼	94	63 - 149	7	20
Dibromochloromethane	ND		2800	ND		ug/Kg	☼	78	57 - 137	19	20
Dichlorodifluoromethane	ND	F1	2800	ND	F1	ug/Kg	☼	0	26 - 150	NC	20
Ethylbenzene	ND		2800	2980		ug/Kg	☼	106	67 - 136	9	20
Isopropylbenzene	ND		2800	2750		ug/Kg	☼	98	65 - 147	13	20
Methyl acetate	ND	F1	5600	ND	F1	ug/Kg	☼	0	50 - 124	NC	20
Methyl tert-butyl ether	ND		2800	2840		ug/Kg	☼	101	60 - 130	3	20
Methylcyclohexane	ND		2800	2940		ug/Kg	☼	105	67 - 150	1	20
Methylene Chloride	ND	F1	2800	ND	F1	ug/Kg	☼	0	63 - 138	NC	20
Styrene	ND		2800	3080		ug/Kg	☼	110	68 - 137	11	20
Tetrachloroethene	ND		2800	3070		ug/Kg	☼	110	67 - 150	2	20

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

Lab Sample ID: 480-177527-6 MSD
Matrix: Solid
Analysis Batch: 557838

Client Sample ID: D-28 (19.5)
Prep Type: Total/NA
Prep Batch: 557566

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		2800	2980		ug/Kg	☼	107	68 - 137	6	20
trans-1,2-Dichloroethene	ND		2800	3050		ug/Kg	☼	109	65 - 138	4	20
trans-1,3-Dichloropropene	ND	F1	2800	2650		ug/Kg	☼	95	58 - 143	5	20
Trichloroethene	120000		2800	113000	4	ug/Kg	☼	-178	69 - 143	4	20
Trichlorofluoromethane	ND	F1	2800	2630		ug/Kg	☼	94	35 - 150	2	20
Vinyl chloride	ND	F1	2800	ND	F1	ug/Kg	☼	0	56 - 150	NC	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*
Dibromofluoromethane (Surr)	*107*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

GC/MS VOA

Analysis Batch: 557288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-1	D-27 (12.5)	Total/NA	Solid	8260C	557358
480-177527-2	D-27 (13.7)	Total/NA	Solid	8260C	557358
480-177527-3	D-27 (32.9)	Total/NA	Solid	8260C	557358
480-177527-4	D-27 (33.3)	Total/NA	Solid	8260C	557358
480-177527-5	D-28 (13.9)	Total/NA	Solid	8260C	557358
480-177527-6	D-28 (19.5)	Total/NA	Solid	8260C	557358
MB 480-557358/2-A	Method Blank	Total/NA	Solid	8260C	557358
LCS 480-557358/1-A	Lab Control Sample	Total/NA	Solid	8260C	557358

Prep Batch: 557358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-1	D-27 (12.5)	Total/NA	Solid	5035A_L	
480-177527-2	D-27 (13.7)	Total/NA	Solid	5035A_L	
480-177527-3	D-27 (32.9)	Total/NA	Solid	5035A_L	
480-177527-4	D-27 (33.3)	Total/NA	Solid	5035A_L	
480-177527-5	D-28 (13.9)	Total/NA	Solid	5035A_L	
480-177527-6	D-28 (19.5)	Total/NA	Solid	5035A_L	
MB 480-557358/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-557358/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 557566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-1 - DL	D-27 (12.5)	Total/NA	Solid	5035A_H	
480-177527-2 - DL	D-27 (13.7)	Total/NA	Solid	5035A_H	
480-177527-3 - DL	D-27 (32.9)	Total/NA	Solid	5035A_H	
480-177527-4 - DL	D-27 (33.3)	Total/NA	Solid	5035A_H	
480-177527-5 - DL	D-28 (13.9)	Total/NA	Solid	5035A_H	
480-177527-6 - DL	D-28 (19.5)	Total/NA	Solid	5035A_H	
480-177527-7	D-28 (32.4)	Total/NA	Solid	5035A_H	
480-177527-7 - DL	D-28 (32.4)	Total/NA	Solid	5035A_H	
MB 480-557566/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-557566/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-177527-6 MS	D-28 (19.5)	Total/NA	Solid	5035A_H	
480-177527-6 MSD	D-28 (19.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 557762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-557566/2-A	Method Blank	Total/NA	Solid	8260C	557566
LCS 480-557566/1-A	Lab Control Sample	Total/NA	Solid	8260C	557566

Analysis Batch: 557838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-1 - DL	D-27 (12.5)	Total/NA	Solid	8260C	557566
480-177527-2 - DL	D-27 (13.7)	Total/NA	Solid	8260C	557566
480-177527-3 - DL	D-27 (32.9)	Total/NA	Solid	8260C	557566
480-177527-4 - DL	D-27 (33.3)	Total/NA	Solid	8260C	557566
480-177527-5 - DL	D-28 (13.9)	Total/NA	Solid	8260C	557566
480-177527-6 - DL	D-28 (19.5)	Total/NA	Solid	8260C	557566
480-177527-7	D-28 (32.4)	Total/NA	Solid	8260C	557566
480-177527-6 MS	D-28 (19.5)	Total/NA	Solid	8260C	557566
480-177527-6 MSD	D-28 (19.5)	Total/NA	Solid	8260C	557566

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

GC/MS VOA

Analysis Batch: 558232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-7 - DL	D-28 (32.4)	Total/NA	Solid	8260C	557566

General Chemistry

Analysis Batch: 557494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177527-1	D-27 (12.5)	Total/NA	Solid	Moisture	
480-177527-2	D-27 (13.7)	Total/NA	Solid	Moisture	
480-177527-3	D-27 (32.9)	Total/NA	Solid	Moisture	
480-177527-4	D-27 (33.3)	Total/NA	Solid	Moisture	
480-177527-5	D-28 (13.9)	Total/NA	Solid	Moisture	
480-177527-6	D-28 (19.5)	Total/NA	Solid	Moisture	
480-177527-7	D-28 (32.4)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (12.5)
Date Collected: 11/02/20 11:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-27 (12.5)
Date Collected: 11/02/20 11:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-1
Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 16:38	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	10	557838	11/07/20 05:24	AMM	TAL BUF

Client Sample ID: D-27 (13.7)
Date Collected: 11/02/20 11:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-27 (13.7)
Date Collected: 11/02/20 11:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-2
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 17:03	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	10	557838	11/07/20 05:47	AMM	TAL BUF

Client Sample ID: D-27 (32.9)
Date Collected: 11/02/20 12:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-27 (32.9)
Date Collected: 11/02/20 12:25
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-3
Matrix: Solid
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 17:28	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	25	557838	11/07/20 06:10	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Client Sample ID: D-27 (33.3)
Date Collected: 11/02/20 12:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-27 (33.3)
Date Collected: 11/02/20 12:30
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-4
Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 17:53	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	20	557838	11/07/20 06:33	AMM	TAL BUF

Client Sample ID: D-28 (13.9)
Date Collected: 11/02/20 13:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-28 (13.9)
Date Collected: 11/02/20 13:45
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-5
Matrix: Solid
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 18:18	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	20	557838	11/07/20 06:57	AMM	TAL BUF

Client Sample ID: D-28 (19.5)
Date Collected: 11/02/20 14:00
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-28 (19.5)
Date Collected: 11/02/20 14:00
Date Received: 11/03/20 10:00

Lab Sample ID: 480-177527-6
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557358	11/04/20 09:59	WJD	TAL BUF
Total/NA	Analysis	8260C		1	557288	11/04/20 18:43	CDC	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	20	557838	11/07/20 07:20	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-177527-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: D-28 (32.4)
Lab Sample ID: 480-177527-7
Date Collected: 11/02/20 14:45
Matrix: Solid
Date Received: 11/03/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557494	11/04/20 22:48	CDC	TAL BUF

Client Sample ID: D-28 (32.4)
Lab Sample ID: 480-177527-7
Date Collected: 11/02/20 14:45
Matrix: Solid
Date Received: 11/03/20 10:00
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C		2	557838	11/07/20 07:43	AMM	TAL BUF
Total/NA	Prep	5035A_H	DL		557566	11/05/20 10:25	AMM	TAL BUF
Total/NA	Analysis	8260C	DL	4	558232	11/10/20 18:00	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177527-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177527-1	D-27 (12.5)	Solid	11/02/20 11:25	11/03/20 10:00	
480-177527-2	D-27 (13.7)	Solid	11/02/20 11:30	11/03/20 10:00	
480-177527-3	D-27 (32.9)	Solid	11/02/20 12:25	11/03/20 10:00	
480-177527-4	D-27 (33.3)	Solid	11/02/20 12:30	11/03/20 10:00	
480-177527-5	D-28 (13.9)	Solid	11/02/20 13:45	11/03/20 10:00	
480-177527-6	D-28 (19.5)	Solid	11/02/20 14:00	11/03/20 10:00	
480-177527-7	D-28 (32.4)	Solid	11/02/20 14:45	11/03/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.9
Client Contact: Mark Flusche	Phone: 585-880-7247	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~9 of 20~~ 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested		
City: Clifton Park	TAT Requested (days): 10 Day standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3

480-177527 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number	Special Instructions/Note:
			Preservation Code:				N	N		
D-27 (12.5)	11/2/20	1125	G	Solid			X		1	
D-27 (13.7)	11/2/20	1130	G	Solid			X		1	
D-27 (32.9)	11/2/20	1225	G	Solid			X		1	
D-27 (33.3)	11/2/20	1230	G	Solid			X		1	
D-28 (13.9)	11/2/20	1345	G	Solid			X		1	
D-28 (19.5)	11/2/20	1900	G	Solid			X		1	
D-28 (32.4)	11/2/20	1445	G	Solid			X		1	
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Ryan Clare	Date/Time: 11/2/20 1800	Company: Arcadis	Received by:	Date/Time: 11/3/20 1000	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177527-1

Login Number: 177527
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177551-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/9/2020 5:27:34 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Glossary

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

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Job ID: 480-177551-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177551-1

Comments
No additional comments.

Receipt
The sample was received on 10/31/2020 10:00 AM; the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.2° C.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Client Sample ID: PPE-102920 **Lab Sample ID: 480-177551-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: PPE-102920
Lab Sample ID: 480-177551-1
Date Collected: 10/29/20 18:00
Matrix: Solid
Date Received: 10/31/20 10:00

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 23:54	1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-557810/2-A
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557810

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 22:34	1

Lab Sample ID: LCS 480-557810/3-A
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557810

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium			1.00	1.02		mg/L		102	80 - 120		

Lab Sample ID: LB 480-557538/1-B
Matrix: Solid
Analysis Batch: 558130

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 557810

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0020		mg/L		11/06/20 10:41	11/06/20 22:30	1

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Metals

Leach Batch: 557538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	1311	
LB 480-557538/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 557810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	3010A	557538
LB 480-557538/1-B	Method Blank	TCLP	Solid	3010A	557538
MB 480-557810/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-557810/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 558130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177551-1	PPE-102920	TCLP	Solid	6010C	557810
LB 480-557538/1-B	Method Blank	TCLP	Solid	6010C	557810
MB 480-557810/2-A	Method Blank	Total/NA	Solid	6010C	557810
LCS 480-557810/3-A	Lab Control Sample	Total/NA	Solid	6010C	557810

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: PPE-102920
Lab Sample ID: 480-177551-1
Date Collected: 10/29/20 18:00
Matrix: Solid
Date Received: 10/31/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			557538	11/05/20 08:51	LMS	TAL BUF
TCLP	Prep	3010A			557810	11/06/20 10:41	ADM	TAL BUF
TCLP	Analysis	6010C		1	558130	11/06/20 23:54	LMH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177551-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177551-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177551-1	PPE-102920	Solid	10/29/20 18:00	10/31/20 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Mark Flusche	Site Contact: Q. Carnahan	Date: 10/29/2020	COC No: 1 of 1 COCs
Arcadis 855 Route 146 Suite 210 Clifton Park, NY 12065 518-250-7300 Phone 518-250-7301 FAX	Email: mark.flusche@arcadis.com Tel/Fax: 518-250-7322	Lab Contact:	Carrier: Fedex	TALS Project #: Sampler:
Project Name: Seneca Falls Site: Seneca Falls, NY PO# 30002755.00044	**Analysis Turnaround Time** ☐ CALENDAR DAYS ☒ WORKING DAYS TAT if different from Below _____ ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day			**For Lab Use Only:** Walk-in Client: Lab Sampling: Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	TCLP Cadmium	Sample Specific Notes:
PPE-102920	10/29/20	1800	Comp	Solid	1			X	

480-177551 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

#1 4.2

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Quinn Carnahan	Arcadis	10/30/2020 1930		TAS	10/31/20 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

11/9/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177551-1

Login Number: 177551

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Kolb, Chris M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177653-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/13/2020 5:01:55 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

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Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Job ID: 480-177653-1
Project/Site: GTEOSI - Seneca Falls

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

Glossary

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

Job ID: 480-177653-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177653-1

Comments
No additional comments.

Receipt
The samples were received on 11/4/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for preparation batch 480-557691 and analytical batch 480-557688 recovered outside control limits for the following analyte: Cyclohexane. This analyte was biased high in the LCS and was not detected or below the reporting limit (RL) in the associated samples; therefore, the data have been reported. The associated samples are: D-29 (15.5) (480-177653-1), D-29 (30.1) (480-177653-2), D-30 (8.4) (480-177653-3), D-30 (15.5) (480-177653-4) and D-30 (17.5) (480-177653-5).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-557688 recovered above the upper control limit for Cyclohexane and Methylcyclohexane. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-29 (15.5) (480-177653-1), D-29 (30.1) (480-177653-2), D-30 (8.4) (480-177653-3), D-30 (15.5) (480-177653-4) and D-30 (17.5) (480-177653-5).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-557688 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analyte; therefore, the data have been reported. The associated samples are impacted: D-29 (15.5) (480-177653-1), D-29 (30.1) (480-177653-2), D-30 (8.4) (480-177653-3) and D-30 (15.5) (480-177653-4).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-557688 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analyte; therefore, the data have been reported. The associated samples are impacted: D-29 (15.5) (480-177653-1), D-29 (30.1) (480-177653-2), D-30 (8.4) (480-177653-3) and D-30 (15.5) (480-177653-4).

Method 8260C: The continuing calibration verification (CCVIS) analyzed in 480-557688 was outside the method criteria for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is: D-30 (17.5) (480-177653-5).

Method 8260C: The continuing calibration verification (CCVIS) analyzed in 480-557688 was outside the method criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated sample is: D-30 (17.5) (480-177653-5).

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-557691 and analytical batch 480-557688 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: D-30 (15.5) (480-177653-4[MS]) and D-30 (15.5) (480-177653-4[MSD]).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-29 (15.5) (480-177653-1), D-29 (30.1) (480-177653-2), D-30 (8.4) (480-177653-3), D-30 (15.5) (480-177653-4), D-30 (15.5) (480-177653-4[MS]), D-30 (15.5) (480-177653-4[MSD]), D-30 (17.5) (480-177653-5), D-31 (18.4) (480-177653-6) and DUP-05-20201103 (480-177653-9). Elevated reporting limits (RLs) are provided.

Method 8260C: This analyte cis-1,2-Dichloroethene was detected in sample D-30 (17.5) (480-177653-5) at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, cis-1,2-Dichloroethene was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-29 (15.5) — Lab Sample ID: 480-177653-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	15	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	170	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	8.8	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	7000	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	61000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-29 (30.1) — Lab Sample ID: 480-177653-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	860	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	20000		440		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-30 (8.4) — Lab Sample ID: 480-177653-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	15	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	21	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Toluene	15	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	6400	E vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	11000		230		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-30 (15.5) — Lab Sample ID: 480-177653-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	6.9	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	120	vs F1	5.5		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	16	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	61	vs F1	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8200	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	78000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-30 (17.5) — Lab Sample ID: 480-177653-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	36	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethane	9.0	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,1-Dichloroethene	56	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Acetone	29	vs	28		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	280	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Dichlorodifluoromethane	9.7	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	5.8	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	35	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	120	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	11	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	10000	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	9.4	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	26	vs	11		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	120000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-31 (18.4) — Lab Sample ID: 480-177653-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	23000		460		ug/Kg	4	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: FB-07_20201103 — Lab Sample ID: 480-177653-7

No Detections.

Client Sample ID: TRIP BLANK _20201103 — Lab Sample ID: 480-177653-8

No Detections.

Client Sample ID: DUP-05-20201103 — Lab Sample ID: 480-177653-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	17000		220		ug/Kg	2	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-29 (15.5)
Date Collected: 11/03/20 08:50
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-1
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,1-Dichloroethene	**15**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Acetone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
cis-1,2-Dichloroethene	**170**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Cyclohexane	ND	* vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Tetrachloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Toluene	**8.8**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
trans-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Trichloroethene	**7000**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Vinyl chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/05/20 23:07	1

Client Sample ID: D-29 (15.5)
Date Collected: 11/03/20 08:50
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-1
Matrix: Solid
Percent Solids: 90.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	11/05/20 18:21	11/05/20 23:07	1
4-Bromofluorobenzene (Surr)	89		72 - 126	11/05/20 18:21	11/05/20 23:07	1
Dibromofluoromethane (Surr)	101		60 - 140	11/05/20 18:21	11/05/20 23:07	1
Toluene-d8 (Surr)	105		71 - 125	11/05/20 18:21	11/05/20 23:07	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methyl ethyl ketone (MEK)	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
2-Hexanone	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methyl isobutyl ketone (MIBK)	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Acetone	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Benzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Bromoform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Bromomethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Chloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Chloroform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Chloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Cyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methyl acetate	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Styrene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Toluene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-29 (15.5)
Date Collected: 11/03/20 08:50
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-1
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Trichloroethene	**61000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 10:57	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/06/20 12:47*	*11/08/20 10:57*	*10*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*	*11/06/20 12:47*	*11/08/20 10:57*	*10*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*11/06/20 12:47*	*11/08/20 10:57*	*10*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/06/20 12:47*	*11/08/20 10:57*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-29 (30.1)
Date Collected: 11/03/20 09:30
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-2
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,1-Dichloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methyl ethyl ketone (MEK)	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
2-Hexanone	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methyl isobutyl ketone (MIBK)	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Acetone	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Benzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Bromoform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Chloroform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
cis-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Cyclohexane	ND	* vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Ethylbenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methyl acetate	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Styrene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Tetrachloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Toluene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
trans-1,2-Dichloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Trichloroethene	**860**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Vinyl chloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/05/20 23:32	1

Client Sample ID: D-29 (30.1)
Date Collected: 11/03/20 09:30
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-2
Matrix: Solid
Percent Solids: 93.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*	*11/05/20 18:21*	*11/05/20 23:32*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*11/05/20 18:21*	*11/05/20 23:32*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*11/05/20 18:21*	*11/05/20 23:32*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/05/20 18:21*	*11/05/20 23:32*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,1,2,2-Tetrachloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,1,2-Trichloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,1-Dichloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,1-Dichloroethene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2,4-Trichlorobenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2-Dibromo-3-Chloropropane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2-Dibromoethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2-Dichlorobenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2-Dichloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,2-Dichloropropane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,3-Dichlorobenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
1,4-Dichlorobenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methyl ethyl ketone (MEK)	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
2-Hexanone	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methyl isobutyl ketone (MIBK)	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Acetone	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Benzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Bromodichloromethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Bromoform	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Bromomethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Carbon disulfide	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Carbon tetrachloride	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Chlorobenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Chloroethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Chloroform	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Chloromethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
cis-1,2-Dichloroethene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
cis-1,3-Dichloropropene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Cyclohexane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Dibromochloromethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Dichlorodifluoromethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Ethylbenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Isopropylbenzene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methyl acetate	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methyl tert-butyl ether	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methylcyclohexane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Methylene Chloride	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Styrene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Tetrachloroethene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Toluene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
trans-1,2-Dichloroethene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-29 (30.1)
Date Collected: 11/03/20 09:30
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-2
Matrix: Solid
Percent Solids: 93.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Trichloroethene	**20000**		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Trichlorofluoromethane	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Vinyl chloride	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4
Xylenes, Total	ND		880		ug/Kg	☼	11/06/20 12:47	11/08/20 11:20	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/06/20 12:47*	*11/08/20 11:20*	*4*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*11/06/20 12:47*	*11/08/20 11:20*	*4*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*11/06/20 12:47*	*11/08/20 11:20*	*4*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/06/20 12:47*	*11/08/20 11:20*	*4*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (8.4)
Date Collected: 11/03/20 11:05
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-3
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Acetone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Benzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Bromoform	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Chloroform	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
cis-1,2-Dichloroethene	**15**	**vs**	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Cyclohexane	ND	* vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Styrene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Tetrachloroethene	**21**	**vs**	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Toluene	**15**	**vs**	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Trichloroethene	**6400**	**E vs**	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/05/20 23:57	1

Client Sample ID: D-30 (8.4)
Date Collected: 11/03/20 11:05
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-3
Matrix: Solid
Percent Solids: 89.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/05/20 18:21*	*11/05/20 23:57*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*	*11/05/20 18:21*	*11/05/20 23:57*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/05/20 18:21*	*11/05/20 23:57*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*11/05/20 18:21*	*11/05/20 23:57*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,1,2,2-Tetrachloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,1,2-Trichloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,1-Dichloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,1-Dichloroethene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2,4-Trichlorobenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2-Dibromo-3-Chloropropane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2-Dibromoethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2-Dichlorobenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2-Dichloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,2-Dichloropropane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,3-Dichlorobenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
1,4-Dichlorobenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methyl ethyl ketone (MEK)	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
2-Hexanone	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methyl isobutyl ketone (MIBK)	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Acetone	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Benzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Bromodichloromethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Bromoform	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Bromomethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Carbon disulfide	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Carbon tetrachloride	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Chlorobenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Chloroethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Chloroform	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Chloromethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
cis-1,2-Dichloroethene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
cis-1,3-Dichloropropene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Cyclohexane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Dibromochloromethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Dichlorodifluoromethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Ethylbenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Isopropylbenzene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methyl acetate	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methyl tert-butyl ether	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methylcyclohexane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Methylene Chloride	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Styrene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Tetrachloroethene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Toluene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
trans-1,2-Dichloroethene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (8.4)
Date Collected: 11/03/20 11:05
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-3
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Trichloroethene	**11000**		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Trichlorofluoromethane	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Vinyl chloride	ND		230		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2
Xylenes, Total	ND		450		ug/Kg	☼	11/06/20 12:47	11/08/20 11:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*11/06/20 12:47*	*11/08/20 11:44*	*2*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 11:44*	*2*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*11/06/20 12:47*	*11/08/20 11:44*	*2*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/06/20 12:47*	*11/08/20 11:44*	*2*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (15.5)
Date Collected: 11/03/20 11:15
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-4
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,1,2,2-Tetrachloroethane	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,1-Dichloroethene	**6.9**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2,4-Trichlorobenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2-Dibromo-3-Chloropropane	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2-Dibromoethane	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2-Dichlorobenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,3-Dichlorobenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
1,4-Dichlorobenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Acetone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
cis-1,2-Dichloroethene	**120**	**vs F1**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Cyclohexane	ND	vs *	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Ethylbenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Isopropylbenzene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Styrene	ND	vs F1	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Tetrachloroethene	**16**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Toluene	**61**	**vs F1**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
trans-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Trichloroethene	**8200**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Vinyl chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/06/20 00:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (15.5)
Date Collected: 11/03/20 11:15
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-4
Matrix: Solid
Percent Solids: 90.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*11/05/20 18:21*	*11/06/20 00:22*	*1*
4-Bromofluorobenzene (Surr)	*81*		*72 - 126*	*11/05/20 18:21*	*11/06/20 00:22*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/05/20 18:21*	*11/06/20 00:22*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*11/05/20 18:21*	*11/06/20 00:22*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methyl ethyl ketone (MEK)	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
2-Hexanone	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methyl isobutyl ketone (MIBK)	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Acetone	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Benzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Bromoform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Bromomethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Chloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Chloroform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Chloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Cyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methyl acetate	ND		5700		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Styrene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Toluene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (15.5)
Date Collected: 11/03/20 11:15
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-4
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Trichloroethene	**78000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/06/20 12:47*	*11/08/20 12:07*	*10*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*11/06/20 12:47*	*11/08/20 12:07*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*11/06/20 12:47*	*11/08/20 12:07*	*10*
Toluene-d8 (Surr)	*106*		*50 - 149*	*11/06/20 12:47*	*11/08/20 12:07*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (17.5)
Date Collected: 11/03/20 11:35
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-5
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,1,2-Trichloro-1,2,2-trifluoroetha ne	**36**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,1-Dichloroethane	**9.0**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,1-Dichloroethene	**56**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Acetone	**29**	**vs**	28		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
cis-1,2-Dichloroethene	**280**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Cyclohexane	ND	* vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Dichlorodifluoromethane	**9.7**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Ethylbenzene	**5.8**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Tetrachloroethene	**35**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Toluene	**120**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
trans-1,2-Dichloroethene	**11**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Trichloroethene	**10000**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Vinyl chloride	**9.4**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1
Xylenes, Total	**26**	**vs**	11		ug/Kg	☼	11/05/20 18:21	11/06/20 02:03	1

Client Sample ID: D-30 (17.5)
Date Collected: 11/03/20 11:35
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-5
Matrix: Solid
Percent Solids: 88.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*11/05/20 18:21*	*11/06/20 02:03*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*11/05/20 18:21*	*11/06/20 02:03*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*11/05/20 18:21*	*11/06/20 02:03*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*11/05/20 18:21*	*11/06/20 02:03*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methyl ethyl ketone (MEK)	ND		15000		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
2-Hexanone	ND		15000		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Acetone	ND		15000		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Benzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Bromodichloromethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Bromoform	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Bromomethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Carbon disulfide	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Chlorobenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Chloroethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Chloroform	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Chloromethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Cyclohexane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Dibromochloromethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Ethylbenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Isopropylbenzene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methyl acetate	ND		15000		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methylcyclohexane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Methylene Chloride	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Styrene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Tetrachloroethene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Toluene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-30 (17.5)
Date Collected: 11/03/20 11:35
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-5
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Trichloroethene	**120000**		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Trichlorofluoromethane	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Vinyl chloride	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25
Xylenes, Total	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 12:29	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*11/06/20 12:47*	*11/08/20 12:29*	*25*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*11/06/20 12:47*	*11/08/20 12:29*	*25*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*11/06/20 12:47*	*11/08/20 12:29*	*25*
Toluene-d8 (Surr)	*102*		*50 - 149*	*11/06/20 12:47*	*11/08/20 12:29*	*25*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-31 (18.4)
Date Collected: 11/03/20 13:50
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-6
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methyl ethyl ketone (MEK)	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
2-Hexanone	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Acetone	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Benzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Bromodichloromethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Bromoform	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Bromomethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Carbon disulfide	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Carbon tetrachloride	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Chlorobenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Chloroethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Chloroform	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Chloromethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
cis-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Cyclohexane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Dibromochloromethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Ethylbenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Isopropylbenzene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methyl acetate	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methylcyclohexane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Methylene Chloride	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Styrene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Tetrachloroethene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Toluene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Trichloroethene	**23000**		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Vinyl chloride	ND		460		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4
Xylenes, Total	ND		930		ug/Kg	☼	11/06/20 12:47	11/08/20 12:52	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: D-31 (18.4)
Date Collected: 11/03/20 13:50
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-6
Matrix: Solid
Percent Solids: 89.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/06/20 12:47	11/08/20 12:52	4
4-Bromofluorobenzene (Surr)	104		49 - 148	11/06/20 12:47	11/08/20 12:52	4
Dibromofluoromethane (Surr)	115		60 - 140	11/06/20 12:47	11/08/20 12:52	4
Toluene-d8 (Surr)	100		50 - 149	11/06/20 12:47	11/08/20 12:52	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: FB-07_20201103
Date Collected: 11/03/20 15:40
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,1-Dichloroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,1-Dichloroethene	ND		1.0		ug/L			11/06/20 18:57	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/06/20 18:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/06/20 18:57	1
1,2-Dibromoethane	ND		1.0		ug/L			11/06/20 18:57	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/06/20 18:57	1
1,2-Dichloroethane	ND		1.0		ug/L			11/06/20 18:57	1
1,2-Dichloropropane	ND		1.0		ug/L			11/06/20 18:57	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/06/20 18:57	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/06/20 18:57	1
2-Butanone (MEK)	ND		10		ug/L			11/06/20 18:57	1
2-Hexanone	ND		5.0		ug/L			11/06/20 18:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			11/06/20 18:57	1
Acetone	ND		10		ug/L			11/06/20 18:57	1
Benzene	ND		1.0		ug/L			11/06/20 18:57	1
Bromodichloromethane	ND		1.0		ug/L			11/06/20 18:57	1
Bromoform	ND		1.0		ug/L			11/06/20 18:57	1
Bromomethane	ND		1.0		ug/L			11/06/20 18:57	1
Carbon disulfide	ND		1.0		ug/L			11/06/20 18:57	1
Carbon tetrachloride	ND		1.0		ug/L			11/06/20 18:57	1
Chlorobenzene	ND		1.0		ug/L			11/06/20 18:57	1
Chloroethane	ND		1.0		ug/L			11/06/20 18:57	1
Chloroform	ND		1.0		ug/L			11/06/20 18:57	1
Chloromethane	ND		1.0		ug/L			11/06/20 18:57	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 18:57	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 18:57	1
Cyclohexane	ND		1.0		ug/L			11/06/20 18:57	1
Dibromochloromethane	ND		1.0		ug/L			11/06/20 18:57	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/06/20 18:57	1
Ethylbenzene	ND		1.0		ug/L			11/06/20 18:57	1
Isopropylbenzene	ND		1.0		ug/L			11/06/20 18:57	1
Methyl acetate	ND		2.5		ug/L			11/06/20 18:57	1
Methyl tert-butyl ether	ND		1.0		ug/L			11/06/20 18:57	1
Methylcyclohexane	ND		1.0		ug/L			11/06/20 18:57	1
Methylene Chloride	ND		1.0		ug/L			11/06/20 18:57	1
Styrene	ND		1.0		ug/L			11/06/20 18:57	1
Tetrachloroethene	ND		1.0		ug/L			11/06/20 18:57	1
Toluene	ND		1.0		ug/L			11/06/20 18:57	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 18:57	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 18:57	1
Trichloroethene	ND		1.0		ug/L			11/06/20 18:57	1
Trichlorofluoromethane	ND		1.0		ug/L			11/06/20 18:57	1
Vinyl chloride	ND		1.0		ug/L			11/06/20 18:57	1
Xylenes, Total	ND		2.0		ug/L			11/06/20 18:57	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: FB-07_20201103
Date Collected: 11/03/20 15:40
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		11/06/20 18:57	1
4-Bromofluorobenzene (Surr)	92		73 - 120		11/06/20 18:57	1
Dibromofluoromethane (Surr)	94		75 - 123		11/06/20 18:57	1
Toluene-d8 (Surr)	93		80 - 120		11/06/20 18:57	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: TRIP BLANK _20201103
Date Collected: 11/03/20 15:45
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,1-Dichloroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,1-Dichloroethene	ND		1.0		ug/L			11/06/20 19:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/06/20 19:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/06/20 19:22	1
1,2-Dibromoethane	ND		1.0		ug/L			11/06/20 19:22	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/06/20 19:22	1
1,2-Dichloroethane	ND		1.0		ug/L			11/06/20 19:22	1
1,2-Dichloropropane	ND		1.0		ug/L			11/06/20 19:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/06/20 19:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/06/20 19:22	1
2-Butanone (MEK)	ND		10		ug/L			11/06/20 19:22	1
2-Hexanone	ND		5.0		ug/L			11/06/20 19:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			11/06/20 19:22	1
Acetone	ND		10		ug/L			11/06/20 19:22	1
Benzene	ND		1.0		ug/L			11/06/20 19:22	1
Bromodichloromethane	ND		1.0		ug/L			11/06/20 19:22	1
Bromoform	ND		1.0		ug/L			11/06/20 19:22	1
Bromomethane	ND		1.0		ug/L			11/06/20 19:22	1
Carbon disulfide	ND		1.0		ug/L			11/06/20 19:22	1
Carbon tetrachloride	ND		1.0		ug/L			11/06/20 19:22	1
Chlorobenzene	ND		1.0		ug/L			11/06/20 19:22	1
Chloroethane	ND		1.0		ug/L			11/06/20 19:22	1
Chloroform	ND		1.0		ug/L			11/06/20 19:22	1
Chloromethane	ND		1.0		ug/L			11/06/20 19:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 19:22	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 19:22	1
Cyclohexane	ND		1.0		ug/L			11/06/20 19:22	1
Dibromochloromethane	ND		1.0		ug/L			11/06/20 19:22	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/06/20 19:22	1
Ethylbenzene	ND		1.0		ug/L			11/06/20 19:22	1
Isopropylbenzene	ND		1.0		ug/L			11/06/20 19:22	1
Methyl acetate	ND		2.5		ug/L			11/06/20 19:22	1
Methyl tert-butyl ether	ND		1.0		ug/L			11/06/20 19:22	1
Methylcyclohexane	ND		1.0		ug/L			11/06/20 19:22	1
Methylene Chloride	ND		1.0		ug/L			11/06/20 19:22	1
Styrene	ND		1.0		ug/L			11/06/20 19:22	1
Tetrachloroethene	ND		1.0		ug/L			11/06/20 19:22	1
Toluene	ND		1.0		ug/L			11/06/20 19:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 19:22	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 19:22	1
Trichloroethene	ND		1.0		ug/L			11/06/20 19:22	1
Trichlorofluoromethane	ND		1.0		ug/L			11/06/20 19:22	1
Vinyl chloride	ND		1.0		ug/L			11/06/20 19:22	1
Xylenes, Total	ND		2.0		ug/L			11/06/20 19:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: TRIP BLANK _20201103
Date Collected: 11/03/20 15:45
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		11/06/20 19:22	1
4-Bromofluorobenzene (Surr)	91		73 - 120		11/06/20 19:22	1
Dibromofluoromethane (Surr)	94		75 - 123		11/06/20 19:22	1
Toluene-d8 (Surr)	91		80 - 120		11/06/20 19:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: DUP-05-20201103
Date Collected: 11/03/20 00:00
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-9
Matrix: Solid
Percent Solids: 93.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,1,2,2-Tetrachloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,1,2-Trichloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,1-Dichloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,1-Dichloroethene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2,4-Trichlorobenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2-Dibromo-3-Chloropropane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2-Dibromoethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2-Dichlorobenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2-Dichloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,2-Dichloropropane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,3-Dichlorobenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
1,4-Dichlorobenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methyl ethyl ketone (MEK)	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
2-Hexanone	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methyl isobutyl ketone (MIBK)	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Acetone	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Benzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Bromodichloromethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Bromoform	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Bromomethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Carbon disulfide	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Carbon tetrachloride	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Chlorobenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Chloroethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Chloroform	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Chloromethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
cis-1,2-Dichloroethene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
cis-1,3-Dichloropropene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Cyclohexane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Dibromochloromethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Dichlorodifluoromethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Ethylbenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Isopropylbenzene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methyl acetate	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methyl tert-butyl ether	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methylcyclohexane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Methylene Chloride	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Styrene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Tetrachloroethene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Toluene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
trans-1,2-Dichloroethene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
trans-1,3-Dichloropropene	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Trichloroethene	**17000**		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Trichlorofluoromethane	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Vinyl chloride	ND		220		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2
Xylenes, Total	ND		440		ug/Kg	☼	11/06/20 12:47	11/08/20 13:16	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: DUP-05-20201103
Date Collected: 11/03/20 00:00
Date Received: 11/04/20 10:00

Lab Sample ID: 480-177653-9
Matrix: Solid
Percent Solids: 93.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	11/06/20 12:47	11/08/20 13:16	2
4-Bromofluorobenzene (Surr)	106		49 - 148	11/06/20 12:47	11/08/20 13:16	2
Dibromofluoromethane (Surr)	104		60 - 140	11/06/20 12:47	11/08/20 13:16	2
Toluene-d8 (Surr)	105		50 - 149	11/06/20 12:47	11/08/20 13:16	2

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-177653-1	D-29 (15.5)	102	89	101	105
480-177653-2	D-29 (30.1)	103	89	103	102
480-177653-3	D-30 (8.4)	104	98	102	101
480-177653-4	D-30 (15.5)	102	81	102	106
480-177653-4 MS	D-30 (15.5)	93	92	100	105
480-177653-4 MSD	D-30 (15.5)	90	95	98	105
480-177653-5	D-30 (17.5)	100	89	101	106
LCS 480-557691/1-A	Lab Control Sample	103	101	104	102
MB 480-557691/2-A	Method Blank	103	101	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177653-1 - DL	D-29 (15.5)	105	105	109	103
480-177653-2 - DL	D-29 (30.1)	105	106	110	103
480-177653-3 - DL	D-30 (8.4)	99	110	106	103
480-177653-4 - DL	D-30 (15.5)	102	112	108	106
480-177653-4 MS - DL	D-30 (15.5)	101	112	114	101
480-177653-4 MSD - DL	D-30 (15.5)	102	115	114	104
480-177653-5 - DL	D-30 (17.5)	96	107	105	102
480-177653-6	D-31 (18.4)	99	104	115	100
480-177653-9	DUP-05-20201103	101	106	104	105
LCS 480-557841/1-A	Lab Control Sample	104	112	110	104
MB 480-557841/2-A	Method Blank	104	110	107	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-177653-7	FB-07_20201103	102	92	94	93
480-177653-8	TRIP BLANK _20201103	101	91	94	91
LCS 480-557750/5	Lab Control Sample	104	96	96	93
MB 480-557750/7	Method Blank	105	100	96	97

Surrogate Legend

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-557691/2-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1-Dichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dibromoethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichloropropane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
2-Hexanone	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Acetone	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Benzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromodichloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromoform	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromomethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Carbon disulfide	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Carbon tetrachloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloroform	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Cyclohexane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Dibromochloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Ethylbenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Isopropylbenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl acetate	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methylcyclohexane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methylene Chloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Styrene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Tetrachloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Toluene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Trichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Trichlorofluoromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Vinyl chloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Xylenes, Total	ND		10		ug/Kg		11/05/20 18:21	11/05/20 21:42	1

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

Lab Sample ID: MB 480-557691/2-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557691

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	11/05/20 18:21	11/05/20 21:42	1
4-Bromofluorobenzene (Surr)	101		72 - 126	11/05/20 18:21	11/05/20 21:42	1
Dibromofluoromethane (Surr)	102		60 - 140	11/05/20 18:21	11/05/20 21:42	1
Toluene-d8 (Surr)	99		71 - 125	11/05/20 18:21	11/05/20 21:42	1

Lab Sample ID: LCS 480-557691/1-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	58.2		ug/Kg		116	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	63.3		ug/Kg		127	60 - 140
1,1,2-Trichloroethane	50.0	50.3		ug/Kg		101	78 - 122
1,1-Dichloroethane	50.0	55.6		ug/Kg		111	73 - 126
1,1-Dichloroethene	50.0	58.9		ug/Kg		118	59 - 125
1,2,4-Trichlorobenzene	50.0	54.7		ug/Kg		109	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/Kg		100	63 - 124
1,2-Dibromoethane	50.0	51.6		ug/Kg		103	78 - 120
1,2-Dichlorobenzene	50.0	52.5		ug/Kg		105	75 - 120
1,2-Dichloroethane	50.0	53.7		ug/Kg		107	77 - 122
1,2-Dichloropropane	50.0	55.6		ug/Kg		111	75 - 124
1,3-Dichlorobenzene	50.0	53.3		ug/Kg		107	74 - 120
1,4-Dichlorobenzene	50.0	53.2		ug/Kg		106	73 - 120
Methyl ethyl ketone (MEK)	250	256		ug/Kg		102	70 - 134
2-Hexanone	250	254		ug/Kg		102	59 - 130
Methyl isobutyl ketone (MIBK)	250	256		ug/Kg		102	65 - 133
Acetone	250	265		ug/Kg		106	61 - 137
Benzene	50.0	55.3		ug/Kg		111	79 - 127
Bromodichloromethane	50.0	54.6		ug/Kg		109	80 - 122
Bromoform	50.0	53.1		ug/Kg		106	68 - 126
Bromomethane	50.0	55.2		ug/Kg		110	37 - 149
Carbon disulfide	50.0	57.5		ug/Kg		115	64 - 131
Carbon tetrachloride	50.0	60.4		ug/Kg		121	75 - 135
Chlorobenzene	50.0	53.9		ug/Kg		108	76 - 124
Chloroethane	50.0	55.5		ug/Kg		111	69 - 135
Chloroform	50.0	53.8		ug/Kg		108	80 - 120
Chloromethane	50.0	57.3		ug/Kg		115	63 - 127
cis-1,2-Dichloroethene	50.0	54.8		ug/Kg		110	81 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	80 - 120
Cyclohexane	50.0	62.9	*	ug/Kg		126	65 - 120
Dibromochloromethane	50.0	53.0		ug/Kg		106	76 - 125
Dichlorodifluoromethane	50.0	60.9		ug/Kg		122	57 - 142
Ethylbenzene	50.0	55.5		ug/Kg		111	80 - 120
Isopropylbenzene	50.0	56.5		ug/Kg		113	72 - 120
Methyl acetate	100	106		ug/Kg		106	55 - 136
Methyl tert-butyl ether	50.0	53.1		ug/Kg		106	63 - 125
Methylcyclohexane	50.0	62.8		ug/Kg		126	60 - 140

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

Lab Sample ID: LCS 480-557691/1-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557691

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			50.0	53.2		ug/Kg		106	61 - 127		
Styrene			50.0	53.9		ug/Kg		108	80 - 120		
Tetrachloroethene			50.0	57.5		ug/Kg		115	74 - 122		
Toluene			50.0	54.8		ug/Kg		110	74 - 128		
trans-1,2-Dichloroethene			50.0	57.3		ug/Kg		115	78 - 126		
trans-1,3-Dichloropropene			50.0	52.9		ug/Kg		106	73 - 123		
Trichloroethene			50.0	57.0		ug/Kg		114	77 - 129		
Trichlorofluoromethane			50.0	58.4		ug/Kg		117	65 - 146		
Vinyl chloride			50.0	57.5		ug/Kg		115	61 - 133		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*102*		*71 - 125*

Lab Sample ID: 480-177653-4 MS
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND	vs	54.6	52.2	vs	ug/Kg	☼	96	77 - 121		
1,1,2,2-Tetrachloroethane	ND	vs F1	54.6	47.1	vs	ug/Kg	☼	86	80 - 120		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	54.6	57.1	vs	ug/Kg	☼	101	60 - 140		
1,1,2-Trichloroethane	ND	vs	54.6	48.0	vs	ug/Kg	☼	88	78 - 122		
1,1-Dichloroethane	ND	vs	54.6	57.8	vs	ug/Kg	☼	100	73 - 126		
1,1-Dichloroethene	6.9	vs	54.6	71.4	vs	ug/Kg	☼	118	59 - 125		
1,2,4-Trichlorobenzene	ND	vs F1	54.6	12.6	vs F1	ug/Kg	☼	23	64 - 120		
1,2-Dibromo-3-Chloropropane	ND	vs F1	54.6	34.0	vs F1	ug/Kg	☼	62	63 - 124		
1,2-Dibromoethane	ND	vs F1	54.6	44.1	vs	ug/Kg	☼	81	78 - 120		
1,2-Dichlorobenzene	ND	vs F1	54.6	32.8	vs F1	ug/Kg	☼	60	75 - 120		
1,2-Dichloroethane	ND	vs	54.6	49.2	vs	ug/Kg	☼	89	77 - 122		
1,2-Dichloropropane	ND	vs	54.6	52.6	vs	ug/Kg	☼	96	75 - 124		
1,3-Dichlorobenzene	ND	vs F1	54.6	33.7	vs F1	ug/Kg	☼	62	74 - 120		
1,4-Dichlorobenzene	ND	vs F1	54.6	32.6	vs F1	ug/Kg	☼	60	73 - 120		
Methyl ethyl ketone (MEK)	ND	vs	273	211	vs	ug/Kg	☼	77	70 - 134		
2-Hexanone	ND	vs	273	206	vs	ug/Kg	☼	76	59 - 130		
Methyl isobutyl ketone (MIBK)	ND	vs	273	225	vs	ug/Kg	☼	82	65 - 133		
Acetone	ND	vs	273	229	vs	ug/Kg	☼	77	61 - 137		
Benzene	ND	vs	54.6	52.6	vs	ug/Kg	☼	96	79 - 127		
Bromodichloromethane	ND	vs	54.6	53.3	vs	ug/Kg	☼	98	80 - 122		
Bromoform	ND	vs	54.6	42.4	vs	ug/Kg	☼	78	68 - 126		
Bromomethane	ND	vs	54.6	57.4	vs	ug/Kg	☼	105	37 - 149		
Carbon disulfide	ND	vs	54.6	55.3	vs	ug/Kg	☼	101	64 - 131		
Carbon tetrachloride	ND	vs	54.6	52.5	vs	ug/Kg	☼	96	75 - 135		
Chlorobenzene	ND	vs	54.6	43.7	vs	ug/Kg	☼	80	76 - 124		
Chloroethane	ND	vs	54.6	58.0	vs	ug/Kg	☼	106	69 - 135		
Chloroform	ND	vs	54.6	53.0	vs	ug/Kg	☼	97	80 - 120		

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

Lab Sample ID: 480-177653-4 MS
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	vs	54.6	58.5	vs	ug/Kg	☼	107	63 - 127
cis-1,2-Dichloroethene	120	vs F1	54.6	202	vs F1	ug/Kg	☼	156	80 - 120
cis-1,3-Dichloropropene	ND	vs	54.6	51.0	vs	ug/Kg	☼	93	80 - 120
Cyclohexane	ND	vs *	54.6	47.4	vs	ug/Kg	☼	87	65 - 120
Dibromochloromethane	ND	vs	54.6	48.9	vs	ug/Kg	☼	89	76 - 125
Dichlorodifluoromethane	ND	vs	54.6	68.1	vs	ug/Kg	☼	125	57 - 142
Ethylbenzene	ND	vs F1	54.6	43.6	vs F1	ug/Kg	☼	74	80 - 120
Isopropylbenzene	ND	vs F1	54.6	42.3	vs	ug/Kg	☼	77	72 - 120
Methyl acetate	ND	vs	109	83.1	vs	ug/Kg	☼	76	55 - 136
Methyl tert-butyl ether	ND	vs	54.6	50.4	vs	ug/Kg	☼	92	63 - 125
Methylcyclohexane	ND	vs	54.6	40.1	vs	ug/Kg	☼	73	60 - 140
Methylene Chloride	ND	vs	54.6	53.2	vs	ug/Kg	☼	97	61 - 127
Styrene	ND	vs F1	54.6	38.2	vs F1	ug/Kg	☼	70	80 - 120
Tetrachloroethene	16	vs	54.6	59.3	vs	ug/Kg	☼	79	74 - 122
Toluene	61	vs F1	54.6	110	vs	ug/Kg	☼	90	74 - 128
trans-1,2-Dichloroethene	ND	vs	54.6	58.0	vs	ug/Kg	☼	99	78 - 126
trans-1,3-Dichloropropene	ND	vs	54.6	47.8	vs	ug/Kg	☼	88	73 - 123
Trichloroethene	8200	E vs	54.6	8460	E vs 4	ug/Kg	☼	527	77 - 129
Trichlorofluoromethane	ND	vs	54.6	57.6	vs	ug/Kg	☼	105	65 - 146
Vinyl chloride	ND	vs	54.6	64.7	vs	ug/Kg	☼	118	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*64 - 126*
4-Bromofluorobenzene (Surr)	*92*		*72 - 126*
Dibromofluoromethane (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*105*		*71 - 125*

Lab Sample ID: 480-177653-4 MSD
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	vs	54.2	50.6	vs	ug/Kg	☼	93	77 - 121	3	30
1,1,2,2-Tetrachloroethane	ND	vs F1	54.2	38.3	vs F1	ug/Kg	☼	71	80 - 120	20	30
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	54.2	52.2	vs	ug/Kg	☼	93	60 - 140	9	30
1,1,2-Trichloroethane	ND	vs	54.2	44.9	vs	ug/Kg	☼	83	78 - 122	7	30
1,1-Dichloroethane	ND	vs	54.2	57.3	vs	ug/Kg	☼	100	73 - 126	1	30
1,1-Dichloroethene	6.9	vs	54.2	74.4	vs	ug/Kg	☼	125	59 - 125	4	30
1,2,4-Trichlorobenzene	ND	vs F1	54.2	17.0	vs F1	ug/Kg	☼	31	64 - 120	30	30
1,2-Dibromo-3-Chloropropane	ND	vs F1	54.2	31.9	vs F1	ug/Kg	☼	59	63 - 124	6	30
1,2-Dibromoethane	ND	vs F1	54.2	41.9	vs F1	ug/Kg	☼	77	78 - 120	5	30
1,2-Dichlorobenzene	ND	vs F1	54.2	31.7	vs F1	ug/Kg	☼	58	75 - 120	4	30
1,2-Dichloroethane	ND	vs	54.2	46.6	vs	ug/Kg	☼	85	77 - 122	5	30
1,2-Dichloropropane	ND	vs	54.2	50.7	vs	ug/Kg	☼	94	75 - 124	4	30
1,3-Dichlorobenzene	ND	vs F1	54.2	31.9	vs F1	ug/Kg	☼	59	74 - 120	5	30
1,4-Dichlorobenzene	ND	vs F1	54.2	31.4	vs F1	ug/Kg	☼	58	73 - 120	4	30
Methyl ethyl ketone (MEK)	ND	vs	271	190	vs	ug/Kg	☼	70	70 - 134	11	30
2-Hexanone	ND	vs	271	181	vs	ug/Kg	☼	67	59 - 130	13	30

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

Lab Sample ID: 480-177653-4 MSD
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl isobutyl ketone (MIBK)	ND	vs	271	197	vs	ug/Kg	☼	72	65 - 133	14	30
Acetone	ND	vs	271	207	vs	ug/Kg	☼	69	61 - 137	10	30
Benzene	ND	vs	54.2	50.2	vs	ug/Kg	☼	93	79 - 127	5	30
Bromodichloromethane	ND	vs	54.2	50.7	vs	ug/Kg	☼	94	80 - 122	5	30
Bromoform	ND	vs	54.2	40.1	vs	ug/Kg	☼	74	68 - 126	6	30
Bromomethane	ND	vs	54.2	53.7	vs	ug/Kg	☼	99	37 - 149	7	30
Carbon disulfide	ND	vs	54.2	51.8	vs	ug/Kg	☼	96	64 - 131	7	30
Carbon tetrachloride	ND	vs	54.2	50.8	vs	ug/Kg	☼	94	75 - 135	3	30
Chlorobenzene	ND	vs	54.2	42.9	vs	ug/Kg	☼	79	76 - 124	2	30
Chloroethane	ND	vs	54.2	54.9	vs	ug/Kg	☼	101	69 - 135	6	30
Chloroform	ND	vs	54.2	49.9	vs	ug/Kg	☼	92	80 - 120	6	30
Chloromethane	ND	vs	54.2	52.5	vs	ug/Kg	☼	97	63 - 127	11	30
cis-1,2-Dichloroethene	120	vs F1	54.2	258	E vs F1	ug/Kg	☼	262	80 - 120	25	30
cis-1,3-Dichloropropene	ND	vs	54.2	47.5	vs	ug/Kg	☼	88	80 - 120	7	30
Cyclohexane	ND	vs *	54.2	44.8	vs	ug/Kg	☼	83	65 - 120	6	30
Dibromochloromethane	ND	vs	54.2	47.3	vs	ug/Kg	☼	87	76 - 125	3	30
Dichlorodifluoromethane	ND	vs	54.2	59.4	vs	ug/Kg	☼	110	57 - 142	14	30
Ethylbenzene	ND	vs F1	54.2	45.4	vs F1	ug/Kg	☼	78	80 - 120	4	30
Isopropylbenzene	ND	vs F1	54.2	37.9	vs F1	ug/Kg	☼	70	72 - 120	11	30
Methyl acetate	ND	vs	108	75.2	vs	ug/Kg	☼	69	55 - 136	10	30
Methyl tert-butyl ether	ND	vs	54.2	45.5	vs	ug/Kg	☼	84	63 - 125	10	30
Methylcyclohexane	ND	vs	54.2	36.6	vs	ug/Kg	☼	68	60 - 140	9	30
Methylene Chloride	ND	vs	54.2	51.0	vs	ug/Kg	☼	94	61 - 127	4	30
Styrene	ND	vs F1	54.2	38.6	vs F1	ug/Kg	☼	71	80 - 120	1	30
Tetrachloroethene	16	vs	54.2	66.0	vs	ug/Kg	☼	92	74 - 122	11	30
Toluene	61	vs F1	54.2	137	vs F1	ug/Kg	☼	139	74 - 128	22	30
trans-1,2-Dichloroethene	ND	vs	54.2	57.8	vs	ug/Kg	☼	100	78 - 126	0	30
trans-1,3-Dichloropropene	ND	vs	54.2	45.5	vs	ug/Kg	☼	84	73 - 123	5	30
Trichloroethene	8200	E vs	54.2	9060	E vs 4	ug/Kg	☼	1639	77 - 129	7	30
Trichlorofluoromethane	ND	vs	54.2	53.8	vs	ug/Kg	☼	99	65 - 146	7	30
Vinyl chloride	ND	vs	54.2	62.2	vs	ug/Kg	☼	115	61 - 133	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*64 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*
Dibromofluoromethane (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*105*		*71 - 125*

Lab Sample ID: MB 480-557750/7
Matrix: Water
Analysis Batch: 557750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			11/06/20 11:17	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			11/06/20 11:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			11/06/20 11:17	1
1,1,2-Trichloroethane	ND		1.0		ug/L			11/06/20 11:17	1
1,1-Dichloroethane	ND		1.0		ug/L			11/06/20 11:17	1

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

Lab Sample ID: MB 480-557750/7
Matrix: Water
Analysis Batch: 557750

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/L			11/06/20 11:17	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			11/06/20 11:17	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			11/06/20 11:17	1
1,2-Dibromoethane	ND		1.0		ug/L			11/06/20 11:17	1
1,2-Dichlorobenzene	ND		1.0		ug/L			11/06/20 11:17	1
1,2-Dichloroethane	ND		1.0		ug/L			11/06/20 11:17	1
1,2-Dichloropropane	ND		1.0		ug/L			11/06/20 11:17	1
1,3-Dichlorobenzene	ND		1.0		ug/L			11/06/20 11:17	1
1,4-Dichlorobenzene	ND		1.0		ug/L			11/06/20 11:17	1
2-Butanone (MEK)	ND		10		ug/L			11/06/20 11:17	1
2-Hexanone	ND		5.0		ug/L			11/06/20 11:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			11/06/20 11:17	1
Acetone	ND		10		ug/L			11/06/20 11:17	1
Benzene	ND		1.0		ug/L			11/06/20 11:17	1
Bromodichloromethane	ND		1.0		ug/L			11/06/20 11:17	1
Bromoform	ND		1.0		ug/L			11/06/20 11:17	1
Bromomethane	ND		1.0		ug/L			11/06/20 11:17	1
Carbon disulfide	ND		1.0		ug/L			11/06/20 11:17	1
Carbon tetrachloride	ND		1.0		ug/L			11/06/20 11:17	1
Chlorobenzene	ND		1.0		ug/L			11/06/20 11:17	1
Chloroethane	ND		1.0		ug/L			11/06/20 11:17	1
Chloroform	ND		1.0		ug/L			11/06/20 11:17	1
Chloromethane	ND		1.0		ug/L			11/06/20 11:17	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 11:17	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 11:17	1
Cyclohexane	ND		1.0		ug/L			11/06/20 11:17	1
Dibromochloromethane	ND		1.0		ug/L			11/06/20 11:17	1
Dichlorodifluoromethane	ND		1.0		ug/L			11/06/20 11:17	1
Ethylbenzene	ND		1.0		ug/L			11/06/20 11:17	1
Isopropylbenzene	ND		1.0		ug/L			11/06/20 11:17	1
Methyl acetate	ND		2.5		ug/L			11/06/20 11:17	1
Methyl tert-butyl ether	ND		1.0		ug/L			11/06/20 11:17	1
Methylcyclohexane	ND		1.0		ug/L			11/06/20 11:17	1
Methylene Chloride	ND		1.0		ug/L			11/06/20 11:17	1
Styrene	ND		1.0		ug/L			11/06/20 11:17	1
Tetrachloroethene	ND		1.0		ug/L			11/06/20 11:17	1
Toluene	ND		1.0		ug/L			11/06/20 11:17	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			11/06/20 11:17	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			11/06/20 11:17	1
Trichloroethene	ND		1.0		ug/L			11/06/20 11:17	1
Trichlorofluoromethane	ND		1.0		ug/L			11/06/20 11:17	1
Vinyl chloride	ND		1.0		ug/L			11/06/20 11:17	1
Xylenes, Total	ND		2.0		ug/L			11/06/20 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*11/06/20 11:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*11/06/20 11:17*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*11/06/20 11:17*	*1*

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

Lab Sample ID: MB 480-557750/7
Matrix: Water
Analysis Batch: 557750

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	97		80 - 120		11/06/20 11:17	1

Lab Sample ID: LCS 480-557750/5
Matrix: Water
Analysis Batch: 557750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.3		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.2		ug/L		89	61 - 148
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	24.2		ug/L		97	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	24.5		ug/L		98	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	28.2		ug/L		113	56 - 134
1,2-Dibromoethane	25.0	24.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	26.7		ug/L		107	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
1,3-Dichlorobenzene	25.0	23.9		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.1		ug/L		92	80 - 120
2-Butanone (MEK)	125	132		ug/L		105	57 - 140
2-Hexanone	125	139		ug/L		112	65 - 127
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	129		ug/L		104	56 - 142
Benzene	25.0	24.1		ug/L		96	71 - 124
Bromodichloromethane	25.0	26.7		ug/L		107	80 - 122
Bromoform	25.0	27.8		ug/L		111	61 - 132
Bromomethane	25.0	17.7		ug/L		71	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	25.5		ug/L		102	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Chloroethane	25.0	20.5		ug/L		82	69 - 136
Chloroform	25.0	23.5		ug/L		94	73 - 127
Chloromethane	25.0	23.1		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	26.6		ug/L		106	74 - 124
Cyclohexane	25.0	23.6		ug/L		94	59 - 135
Dibromochloromethane	25.0	27.5		ug/L		110	75 - 125
Dichlorodifluoromethane	25.0	23.6		ug/L		94	59 - 135
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Isopropylbenzene	25.0	24.2		ug/L		97	77 - 122
Methyl acetate	50.0	51.0		ug/L		102	74 - 133
Methyl tert-butyl ether	25.0	26.4		ug/L		105	77 - 120
Methylcyclohexane	25.0	23.1		ug/L		92	68 - 134
Methylene Chloride	25.0	20.9		ug/L		83	75 - 124
Styrene	25.0	25.4		ug/L		101	80 - 120
Tetrachloroethene	25.0	22.9		ug/L		91	74 - 122

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

Lab Sample ID: LCS 480-557750/5
Matrix: Water
Analysis Batch: 557750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.4		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	27.2		ug/L		109	80 - 120
Trichloroethene	25.0	24.1		ug/L		96	74 - 123
Trichlorofluoromethane	25.0	24.6		ug/L		98	62 - 150
Vinyl chloride	25.0	21.5		ug/L		86	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 480-557841/2-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1-Dichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dibromoethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichloropropane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
2-Hexanone	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Acetone	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Benzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromodichloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromoform	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromomethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Carbon disulfide	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Carbon tetrachloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chloroform	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1

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

Lab Sample ID: MB 480-557841/2-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Dibromochloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Ethylbenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Isopropylbenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl acetate	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methylcyclohexane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methylene Chloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Styrene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Tetrachloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Toluene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Trichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Trichlorofluoromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Vinyl chloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Xylenes, Total	ND		200		ug/Kg		11/06/20 12:47	11/08/20 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/06/20 12:47*	*11/08/20 10:12*	*1*

Lab Sample ID: LCS 480-557841/1-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2740		ug/Kg		110	68 - 130
1,1,2,2-Tetrachloroethane	2500	2370		ug/Kg		95	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2480		ug/Kg		99	10 - 179
1,1,2-Trichloroethane	2500	2590		ug/Kg		103	80 - 120
1,1-Dichloroethane	2500	2540		ug/Kg		102	78 - 121
1,1-Dichloroethene	2500	2430		ug/Kg		97	48 - 133
1,2,4-Trichlorobenzene	2500	2770		ug/Kg		111	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		87	56 - 122
1,2-Dibromoethane	2500	2510		ug/Kg		100	80 - 120
1,2-Dichlorobenzene	2500	2460		ug/Kg		99	78 - 125
1,2-Dichloroethane	2500	2600		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2680		ug/Kg		107	80 - 120
1,3-Dichlorobenzene	2500	2470		ug/Kg		99	80 - 120
1,4-Dichlorobenzene	2500	2490		ug/Kg		100	80 - 120
Methyl ethyl ketone (MEK)	12500	11600		ug/Kg		93	54 - 149
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Methyl isobutyl ketone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	10800		ug/Kg		86	47 - 141

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

Lab Sample ID: LCS 480-557841/1-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2600		ug/Kg		104	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2420		ug/Kg		97	48 - 125
Bromomethane	2500	2110		ug/Kg		85	39 - 149
Carbon disulfide	2500	2440		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2630		ug/Kg		105	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Chloroethane	2500	1510		ug/Kg		60	23 - 150
Chloroform	2500	2540		ug/Kg		102	78 - 120
Chloromethane	2500	2130		ug/Kg		85	61 - 124
cis-1,2-Dichloroethene	2500	2570		ug/Kg		103	79 - 124
cis-1,3-Dichloropropene	2500	2640		ug/Kg		106	75 - 121
Cyclohexane	2500	2670		ug/Kg		107	49 - 129
Dibromochloromethane	2500	2450		ug/Kg		98	64 - 120
Dichlorodifluoromethane	2500	2260		ug/Kg		90	10 - 150
Ethylbenzene	2500	2650		ug/Kg		106	78 - 124
Isopropylbenzene	2500	2630		ug/Kg		105	76 - 120
Methyl acetate	5000	5030		ug/Kg		101	71 - 123
Methyl tert-butyl ether	2500	2460		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2810		ug/Kg		113	50 - 130
Methylene Chloride	2500	2600		ug/Kg		104	75 - 118
Styrene	2500	2660		ug/Kg		106	80 - 120
Tetrachloroethene	2500	2870		ug/Kg		115	73 - 133
Toluene	2500	2690		ug/Kg		108	75 - 124
trans-1,2-Dichloroethene	2500	2730		ug/Kg		109	74 - 129
trans-1,3-Dichloropropene	2500	2560		ug/Kg		102	73 - 120
Trichloroethene	2500	2680		ug/Kg		107	75 - 131
Trichlorofluoromethane	2500	2450		ug/Kg		98	29 - 158
Vinyl chloride	2500	2260		ug/Kg		90	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Dibromofluoromethane (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Lab Sample ID: 480-177653-4 MS
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane - DL	ND		2710	3190		ug/Kg	☼	118	64 - 142
1,1,2,2-Tetrachloroethane - DL	ND		2710	2660		ug/Kg	☼	98	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		2710	2810		ug/Kg	☼	103	64 - 154
1,1,2-Trichloroethane - DL	ND		2710	2590		ug/Kg	☼	95	63 - 133
1,1-Dichloroethane - DL	ND		2710	2960		ug/Kg	☼	109	64 - 135

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

Lab Sample ID: 480-177653-4 MS
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene - DL	ND		2710	3020		ug/Kg	☼	111	62 - 145
1,2,4-Trichlorobenzene - DL	ND		2710	2870		ug/Kg	☼	106	56 - 145
1,2-Dibromo-3-Chloropropane - DL	ND		2710	2380		ug/Kg	☼	87	40 - 122
1,2-Dibromoethane - DL	ND		2710	2580		ug/Kg	☼	95	65 - 133
1,2-Dichlorobenzene - DL	ND		2710	2580		ug/Kg	☼	95	68 - 133
1,2-Dichloroethane - DL	ND		2710	2910		ug/Kg	☼	107	62 - 135
1,2-Dichloropropane - DL	ND		2710	2860		ug/Kg	☼	105	67 - 139
1,3-Dichlorobenzene - DL	ND		2710	2950		ug/Kg	☼	109	68 - 136
1,4-Dichlorobenzene - DL	ND		2710	2760		ug/Kg	☼	102	69 - 136
Methyl ethyl ketone (MEK) - DL	ND		13600	12400		ug/Kg	☼	91	46 - 132
2-Hexanone - DL	ND		13600	10800		ug/Kg	☼	80	44 - 130
Methyl isobutyl ketone (MIBK) - DL	ND		13600	11800		ug/Kg	☼	87	49 - 125
Acetone - DL	ND		13600	12400		ug/Kg	☼	92	32 - 136
Benzene - DL	ND		2710	2950		ug/Kg	☼	109	68 - 137
Bromodichloromethane - DL	ND		2710	2720		ug/Kg	☼	100	62 - 136
Bromoform - DL	ND		2710	2260		ug/Kg	☼	83	43 - 134
Bromomethane - DL	ND		2710	2860		ug/Kg	☼	105	38 - 137
Carbon disulfide - DL	ND		2710	2770		ug/Kg	☼	102	52 - 139
Carbon tetrachloride - DL	ND		2710	2980		ug/Kg	☼	110	60 - 150
Chlorobenzene - DL	ND		2710	2940		ug/Kg	☼	108	67 - 136
Chloroethane - DL	ND		2710	2360		ug/Kg	☼	87	34 - 140
Chloroform - DL	ND		2710	2980		ug/Kg	☼	110	64 - 133
Chloromethane - DL	ND		2710	2250		ug/Kg	☼	83	47 - 143
cis-1,2-Dichloroethene - DL	ND		2710	3210		ug/Kg	☼	118	65 - 137
cis-1,3-Dichloropropene - DL	ND		2710	2850		ug/Kg	☼	105	61 - 148
Cyclohexane - DL	ND		2710	2790		ug/Kg	☼	103	63 - 149
Dibromochloromethane - DL	ND		2710	2720		ug/Kg	☼	100	57 - 137
Dichlorodifluoromethane - DL	ND		2710	2190		ug/Kg	☼	81	26 - 150
Ethylbenzene - DL	ND		2710	2900		ug/Kg	☼	107	67 - 136
Isopropylbenzene - DL	ND		2710	2780		ug/Kg	☼	102	65 - 147
Methyl acetate - DL	ND		5430	5820		ug/Kg	☼	107	50 - 124
Methyl tert-butyl ether - DL	ND		2710	2670		ug/Kg	☼	98	60 - 130
Methylcyclohexane - DL	ND		2710	3270		ug/Kg	☼	120	67 - 150
Methylene Chloride - DL	ND		2710	1710		ug/Kg	☼	63	63 - 138
Styrene - DL	ND		2710	2600		ug/Kg	☼	96	68 - 137
Tetrachloroethene - DL	ND		2710	3200		ug/Kg	☼	118	67 - 150
Toluene - DL	ND		2710	3220		ug/Kg	☼	118	68 - 137
trans-1,2-Dichloroethene - DL	ND		2710	3010		ug/Kg	☼	111	65 - 138
trans-1,3-Dichloropropene - DL	ND		2710	2530		ug/Kg	☼	93	58 - 143
Trichloroethene - DL	78000		2710	92900	4	ug/Kg	☼	560	69 - 143
Trichlorofluoromethane - DL	ND		2710	3200		ug/Kg	☼	118	35 - 150
Vinyl chloride - DL	ND		2710	2540		ug/Kg	☼	93	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr) - DL	*101*		*53 - 146*

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

Lab Sample ID: 480-177653-4 MS
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557841

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr) - DL	112		49 - 148
Dibromofluoromethane (Surr) - DL	114		60 - 140
Toluene-d8 (Surr) - DL	101		50 - 149

Lab Sample ID: 480-177653-4 MSD
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane - DL	ND		2730	3240		ug/Kg	☼	119	64 - 142	2	20
1,1,2,2-Tetrachloroethane - DL	ND		2730	2740		ug/Kg	☼	101	56 - 128	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane - DL	ND		2730	2910		ug/Kg	☼	107	64 - 154	4	20
1,1,2-Trichloroethane - DL	ND		2730	3560	F2	ug/Kg	☼	131	63 - 133	32	20
1,1-Dichloroethane - DL	ND		2730	3140		ug/Kg	☼	115	64 - 135	6	20
1,1-Dichloroethene - DL	ND		2730	3480		ug/Kg	☼	128	62 - 145	14	20
1,2,4-Trichlorobenzene - DL	ND		2730	2990		ug/Kg	☼	110	56 - 145	4	20
1,2-Dibromo-3-Chloropropane - DL	ND		2730	2240		ug/Kg	☼	82	40 - 122	6	20
1,2-Dibromoethane - DL	ND		2730	3000		ug/Kg	☼	110	65 - 133	15	20
1,2-Dichlorobenzene - DL	ND		2730	2800		ug/Kg	☼	103	68 - 133	8	20
1,2-Dichloroethane - DL	ND		2730	3090		ug/Kg	☼	113	62 - 135	6	20
1,2-Dichloropropane - DL	ND		2730	3130		ug/Kg	☼	115	67 - 139	9	20
1,3-Dichlorobenzene - DL	ND		2730	2830		ug/Kg	☼	104	68 - 136	4	20
1,4-Dichlorobenzene - DL	ND		2730	2940		ug/Kg	☼	108	69 - 136	7	20
Methyl ethyl ketone (MEK) - DL	ND		13600	13700		ug/Kg	☼	100	46 - 132	10	20
2-Hexanone - DL	ND		13600	13300		ug/Kg	☼	97	44 - 130	20	20
Methyl isobutyl ketone (MIBK) - DL	ND		13600	13000		ug/Kg	☼	96	49 - 125	10	20
Acetone - DL	ND		13600	14300		ug/Kg	☼	105	32 - 136	14	20
Benzene - DL	ND		2730	3280		ug/Kg	☼	120	68 - 137	11	20
Bromodichloromethane - DL	ND		2730	3030		ug/Kg	☼	111	62 - 136	11	20
Bromoform - DL	ND		2730	2720		ug/Kg	☼	100	43 - 134	18	20
Bromomethane - DL	ND		2730	3260		ug/Kg	☼	120	38 - 137	13	20
Carbon disulfide - DL	ND		2730	3010		ug/Kg	☼	110	52 - 139	8	20
Carbon tetrachloride - DL	ND		2730	3140		ug/Kg	☼	115	60 - 150	5	20
Chlorobenzene - DL	ND		2730	3250		ug/Kg	☼	119	67 - 136	10	20
Chloroethane - DL	ND		2730	2780		ug/Kg	☼	102	34 - 140	16	20
Chloroform - DL	ND		2730	3250		ug/Kg	☼	119	64 - 133	8	20
Chloromethane - DL	ND		2730	2670		ug/Kg	☼	98	47 - 143	17	20
cis-1,2-Dichloroethene - DL	ND		2730	3500		ug/Kg	☼	129	65 - 137	9	20
cis-1,3-Dichloropropene - DL	ND		2730	2650		ug/Kg	☼	97	61 - 148	7	20
Cyclohexane - DL	ND		2730	3110		ug/Kg	☼	114	63 - 149	11	20
Dibromochloromethane - DL	ND		2730	2770		ug/Kg	☼	102	57 - 137	2	20
Dichlorodifluoromethane - DL	ND		2730	2770	F2	ug/Kg	☼	102	26 - 150	23	20
Ethylbenzene - DL	ND		2730	3200		ug/Kg	☼	117	67 - 136	10	20
Isopropylbenzene - DL	ND		2730	3030		ug/Kg	☼	111	65 - 147	9	20
Methyl acetate - DL	ND		5450	5720		ug/Kg	☼	105	50 - 124	2	20

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

Lab Sample ID: 480-177653-4 MSD
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: D-30 (15.5)
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether - DL	ND		2730	3020		ug/Kg	☼	111	60 - 130	12	20
Methylcyclohexane - DL	ND		2730	3430		ug/Kg	☼	126	67 - 150	5	20
Methylene Chloride - DL	ND		2730	2310	F2	ug/Kg	☼	85	63 - 138	30	20
Styrene - DL	ND		2730	3150		ug/Kg	☼	115	68 - 137	19	20
Tetrachloroethene - DL	ND		2730	3640		ug/Kg	☼	134	67 - 150	13	20
Toluene - DL	ND		2730	3380		ug/Kg	☼	124	68 - 137	5	20
trans-1,2-Dichloroethene - DL	ND		2730	3320		ug/Kg	☼	122	65 - 138	10	20
trans-1,3-Dichloropropene - DL	ND		2730	2500		ug/Kg	☼	92	58 - 143	1	20
Trichloroethene - DL	78000		2730	101000	4	ug/Kg	☼	855	69 - 143	8	20
Trichlorofluoromethane - DL	ND		2730	3530		ug/Kg	☼	130	35 - 150	10	20
Vinyl chloride - DL	ND		2730	2470		ug/Kg	☼	91	56 - 150	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr) - DL	*102*		*53 - 146*
4-Bromofluorobenzene (Surr) - DL	*115*		*49 - 148*
Dibromofluoromethane (Surr) - DL	*114*		*60 - 140*
Toluene-d8 (Surr) - DL	*104*		*50 - 149*

GC/MS VOA

Analysis Batch: 557688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-1	D-29 (15.5)	Total/NA	Solid	8260C	557691
480-177653-2	D-29 (30.1)	Total/NA	Solid	8260C	557691
480-177653-3	D-30 (8.4)	Total/NA	Solid	8260C	557691
480-177653-4	D-30 (15.5)	Total/NA	Solid	8260C	557691
480-177653-5	D-30 (17.5)	Total/NA	Solid	8260C	557691
MB 480-557691/2-A	Method Blank	Total/NA	Solid	8260C	557691
LCS 480-557691/1-A	Lab Control Sample	Total/NA	Solid	8260C	557691
480-177653-4 MS	D-30 (15.5)	Total/NA	Solid	8260C	557691
480-177653-4 MSD	D-30 (15.5)	Total/NA	Solid	8260C	557691

Prep Batch: 557691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-1	D-29 (15.5)	Total/NA	Solid	5035A_L	
480-177653-2	D-29 (30.1)	Total/NA	Solid	5035A_L	
480-177653-3	D-30 (8.4)	Total/NA	Solid	5035A_L	
480-177653-4	D-30 (15.5)	Total/NA	Solid	5035A_L	
480-177653-5	D-30 (17.5)	Total/NA	Solid	5035A_L	
MB 480-557691/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-557691/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
480-177653-4 MS	D-30 (15.5)	Total/NA	Solid	5035A_L	
480-177653-4 MSD	D-30 (15.5)	Total/NA	Solid	5035A_L	

Analysis Batch: 557750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-7	FB-07_20201103	Total/NA	Water	8260C	
480-177653-8	TRIP BLANK _20201103	Total/NA	Water	8260C	
MB 480-557750/7	Method Blank	Total/NA	Water	8260C	
LCS 480-557750/5	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 557841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-1 - DL	D-29 (15.5)	Total/NA	Solid	5035A_H	
480-177653-2 - DL	D-29 (30.1)	Total/NA	Solid	5035A_H	
480-177653-3 - DL	D-30 (8.4)	Total/NA	Solid	5035A_H	
480-177653-4 - DL	D-30 (15.5)	Total/NA	Solid	5035A_H	
480-177653-5 - DL	D-30 (17.5)	Total/NA	Solid	5035A_H	
480-177653-6	D-31 (18.4)	Total/NA	Solid	5035A_H	
480-177653-9	DUP-05-20201103	Total/NA	Solid	5035A_H	
MB 480-557841/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-557841/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-177653-4 MS - DL	D-30 (15.5)	Total/NA	Solid	5035A_H	
480-177653-4 MSD - DL	D-30 (15.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 557994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-1 - DL	D-29 (15.5)	Total/NA	Solid	8260C	557841
480-177653-2 - DL	D-29 (30.1)	Total/NA	Solid	8260C	557841
480-177653-3 - DL	D-30 (8.4)	Total/NA	Solid	8260C	557841
480-177653-4 - DL	D-30 (15.5)	Total/NA	Solid	8260C	557841
480-177653-5 - DL	D-30 (17.5)	Total/NA	Solid	8260C	557841
480-177653-6	D-31 (18.4)	Total/NA	Solid	8260C	557841

GC/MS VOA (Continued)

Analysis Batch: 557994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-9	DUP-05-20201103	Total/NA	Solid	8260C	557841
MB 480-557841/2-A	Method Blank	Total/NA	Solid	8260C	557841
LCS 480-557841/1-A	Lab Control Sample	Total/NA	Solid	8260C	557841
480-177653-4 MS - DL	D-30 (15.5)	Total/NA	Solid	8260C	557841
480-177653-4 MSD - DL	D-30 (15.5)	Total/NA	Solid	8260C	557841

General Chemistry

Analysis Batch: 557711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177653-1	D-29 (15.5)	Total/NA	Solid	Moisture	
480-177653-2	D-29 (30.1)	Total/NA	Solid	Moisture	
480-177653-3	D-30 (8.4)	Total/NA	Solid	Moisture	
480-177653-4	D-30 (15.5)	Total/NA	Solid	Moisture	
480-177653-5	D-30 (17.5)	Total/NA	Solid	Moisture	
480-177653-6	D-31 (18.4)	Total/NA	Solid	Moisture	
480-177653-9	DUP-05-20201103	Total/NA	Solid	Moisture	
480-177653-4 MS	D-30 (15.5)	Total/NA	Solid	Moisture	
480-177653-4 MSD	D-30 (15.5)	Total/NA	Solid	Moisture	

Client Sample ID: D-29 (15.5)
Lab Sample ID: 480-177653-1
Date Collected: 11/03/20 08:50
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-29 (15.5)
Lab Sample ID: 480-177653-1
Date Collected: 11/03/20 08:50
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/05/20 23:07	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 10:57	AMM	TAL BUF

Client Sample ID: D-29 (30.1)
Lab Sample ID: 480-177653-2
Date Collected: 11/03/20 09:30
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-29 (30.1)
Lab Sample ID: 480-177653-2
Date Collected: 11/03/20 09:30
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/05/20 23:32	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	4	557994	11/08/20 11:20	AMM	TAL BUF

Client Sample ID: D-30 (8.4)
Lab Sample ID: 480-177653-3
Date Collected: 11/03/20 11:05
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-30 (8.4)
Lab Sample ID: 480-177653-3
Date Collected: 11/03/20 11:05
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/05/20 23:57	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	2	557994	11/08/20 11:44	AMM	TAL BUF

Client Sample ID: D-30 (15.5)
Lab Sample ID: 480-177653-4
Date Collected: 11/03/20 11:15
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-30 (15.5)
Lab Sample ID: 480-177653-4
Date Collected: 11/03/20 11:15
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 00:22	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 12:07	AMM	TAL BUF

Client Sample ID: D-30 (17.5)
Lab Sample ID: 480-177653-5
Date Collected: 11/03/20 11:35
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-30 (17.5)
Lab Sample ID: 480-177653-5
Date Collected: 11/03/20 11:35
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 02:03	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	25	557994	11/08/20 12:29	AMM	TAL BUF

Client Sample ID: D-31 (18.4)
Lab Sample ID: 480-177653-6
Date Collected: 11/03/20 13:50
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-31 (18.4)
Lab Sample ID: 480-177653-6
Date Collected: 11/03/20 13:50
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C		4	557994	11/08/20 12:52	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Client Sample ID: FB-07_20201103

Lab Sample ID: 480-177653-7

Date Collected: 11/03/20 15:40
Matrix: Water
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	557750	11/06/20 18:57	CRL	TAL BUF

Client Sample ID: TRIP BLANK _20201103

Lab Sample ID: 480-177653-8

Date Collected: 11/03/20 15:45
Matrix: Water
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	557750	11/06/20 19:22	CRL	TAL BUF

Client Sample ID: DUP-05-20201103

Lab Sample ID: 480-177653-9

Date Collected: 11/03/20 00:00
Matrix: Solid
Date Received: 11/04/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: DUP-05-20201103

Lab Sample ID: 480-177653-9

Date Collected: 11/03/20 00:00
Matrix: Solid
Date Received: 11/04/20 10:00
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C		2	557994	11/08/20 13:16	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177653-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177653-1	D-29 (15.5)	Solid	11/03/20 08:50	11/04/20 10:00	
480-177653-2	D-29 (30.1)	Solid	11/03/20 09:30	11/04/20 10:00	
480-177653-3	D-30 (8.4)	Solid	11/03/20 11:05	11/04/20 10:00	
480-177653-4	D-30 (15.5)	Solid	11/03/20 11:15	11/04/20 10:00	
480-177653-5	D-30 (17.5)	Solid	11/03/20 11:35	11/04/20 10:00	
480-177653-6	D-31 (18.4)	Solid	11/03/20 13:50	11/04/20 10:00	
480-177653-7	FB-07_20201103	Water	11/03/20 15:40	11/04/20 10:00	
480-177653-8	TRIP BLANK _20201103	Water	11/03/20 15:45	11/04/20 10:00	
480-177653-9	DUP-05-20201103	Solid	11/03/20 00:00	11/04/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clane	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.7
Client Contact: Mark Flusche	Phone: 585-880-7742	E-Mail: John.Schove@Eurofinset.com		Page: Page [illegible] 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 days			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
B - NaOH N - None
C - Acetate O - [illegible]
S
3
13
ecahydrate
ecify)

480-177653 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOC	Total Number	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-29 (15.5)	11/3/20	0850	G	Solid			X			1	
D-29 (30.1)	11/3/20	0930	G	Solid			X			1	
D-30 (8.4)	11/3/20	1105	G	Solid			X			1	
D-30 (15.5)	11/3/20	1115	G	Solid			X			1	
D-30 (15.5)(MS/MSD)	11/3/20	1115	G	Solid			X			2	
D-30 (17.5)	11/3/20	1135	G	Solid			X			1	
D-31 (18.4)	11/3/20	1350	G	Solid			X			1	
FB-07_20201103	11/3/20	1540	G	Water					X	3	
TRIP BLANK_20201103	11/3/20	1545	G	Water					X	2	
				Solid							
DUP-05_20201103	11/3/20	—	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clane	11/3/20 1730	Arcadis	[signature]	11/04/20 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.8 # 1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177653-1

Login Number: 177653

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177656-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/23/2020 3:59:22 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

Glossary

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

Job ID: 480-177656-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177656-1

Comments
No additional comments.

Receipt
The samples were received on 11/5/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) for preparation batch 480-557691 and analytical batch 480-557688 recovered outside control limits for the following analyte: Cyclohexane. This analyte was biased high in the LCS and was not detected or below the reporting limit (RL) in the associated samples; therefore, the data have been reported. The associated samples are: D-32 (14.5) (480-177656-1), D-32 (18.5) (480-177656-2), D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6), D-34 (28.5) (480-177656-7) and D-34 (31.5) (480-177656-8).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-557688 recovered above the upper control limit for Cyclohexane and Methylcyclohexane. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-32 (14.5) (480-177656-1), D-32 (18.5) (480-177656-2), D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6), D-34 (28.5) (480-177656-7) and D-34 (31.5) (480-177656-8).

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-557688 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The samples associated with this CCVIS were non-detect or below the reporting limit (RL) for the affected analyte; therefore, the data have been reported. The associated samples are impacted: D-32 (14.5) (480-177656-1), D-32 (18.5) (480-177656-2), D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6), D-34 (28.5) (480-177656-7) and D-34 (31.5) (480-177656-8).

Method 8260C: The continuing calibration verification (CCVIS) analyzed in 480-557688 was outside the method criteria for the following analyte: Vinyl chloride. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The associated samples are: D-32 (14.5) (480-177656-1), D-32 (18.5) (480-177656-2), D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6), D-34 (28.5) (480-177656-7) and D-34 (31.5) (480-177656-8).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-32 (14.5) (480-177656-1), D-32 (18.5) (480-177656-2), D-33 (23.5) (480-177656-3), D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6), D-34 (28.5) (480-177656-7) and D-34 (31.5) (480-177656-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The analyte cis-1,2-Dichloroethene in sample D-32 (18.5) (480-177656-2) was detected in the sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

Method 8260C: The analyte 1,2-Dichloroethane in sample D-33 (24.8) (480-177656-4), D-34 (26) (480-177656-5), D-34 (27) (480-177656-6) and D-34 (28.5) (480-177656-7) was detected in the sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

Method 8260C: The analyte Toluene in sample D-34 (31.5) (480-177656-8) was detected in the sample at a concentration above the linear range of the initial calibration curve. Due to the high dilution dictated by other target compounds, this analyte was diluted out in the re-analysis of the sample. Therefore, the value being reported is from the original analysis and is qualified as estimated with an E flag.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (14.5) — Lab Sample ID: 480-177656-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	15	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	200	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	5.7	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	7800	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	17	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	51000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-32 (18.5) — Lab Sample ID: 480-177656-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	19	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	250	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8400	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	21	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	55000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-33 (23.5) — Lab Sample ID: 480-177656-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	5400		900		ug/Kg	8	☼	8260C	Total/NA
Toluene	1100		900		ug/Kg	8	☼	8260C	Total/NA
Trichloroethene	37000		900		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-33 (24.8) — Lab Sample ID: 480-177656-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	27	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	910	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	5600	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	630	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	17	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8400	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	150	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	24	vs	11		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	8600		1200		ug/Kg	10	☼	8260C	Total/NA
Toluene - DL	1300		1200		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene - DL	73000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-34 (26) — Lab Sample ID: 480-177656-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	30	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	330	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Benzene	5.4	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	6500	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	17	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Toluene	980	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	15	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8500	E vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	66	vs	5.3		ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	81	vs	11		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	12000		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene - DL	2000		1100		ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-34 (26) (Continued) — Lab Sample ID: 480-177656-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - DL	71000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-34 (27) — Lab Sample ID: 480-177656-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	11	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	370	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	4800	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Toluene	570	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	5.7	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	8000	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	30	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	6100		1100		ug/Kg	10	☼	8260C	Total/NA
Toluene - DL	1300		1100		ug/Kg	10	☼	8260C	Total/NA
Trichloroethene - DL	55000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-34 (28.5) — Lab Sample ID: 480-177656-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	31	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	460	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloropropane	5.9	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	5700	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Toluene	470	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	11	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	7800	E vs	5.5		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	210	vs	5.5		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	3000		580		ug/Kg	5	☼	8260C	Total/NA
Toluene - DL	860		580		ug/Kg	5	☼	8260C	Total/NA
Trichloroethene - DL	28000		580		ug/Kg	5	☼	8260C	Total/NA

Client Sample ID: D-34 (31.5) — Lab Sample ID: 480-177656-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	15	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane	3000	E vs	5.8		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloropropane	36	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Methyl isobutyl ketone (MIBK)	48	vs	29		ug/Kg	1	☼	8260C	Total/NA
Acetone	110	vs	29		ug/Kg	1	☼	8260C	Total/NA
Benzene	14	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Carbon disulfide	7.6	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	5600	E vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	30	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Toluene	650	E vs	5.8		ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	14	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	10000	E vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	70	vs	5.8		ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloroethane - DL	3500		2500		ug/Kg	20	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	6600		2500		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene - DL	110000		2500		ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (14.5)
Date Collected: 11/04/20 08:50
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-1
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,1-Dichloroethene	**15**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Acetone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Benzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Bromoform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Chloroform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
cis-1,2-Dichloroethene	**200**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Cyclohexane	ND	* vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Ethylbenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Styrene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Tetrachloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Toluene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
trans-1,2-Dichloroethene	**5.7**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Trichloroethene	**7800**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Vinyl chloride	**17**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/06/20 03:19	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (14.5)
Date Collected: 11/04/20 08:50
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-1
Matrix: Solid
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/05/20 18:21*	*11/06/20 03:19*	*1*
4-Bromofluorobenzene (Surr)	*83*		*72 - 126*	*11/05/20 18:21*	*11/06/20 03:19*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/05/20 18:21*	*11/06/20 03:19*	*1*
Toluene-d8 (Surr)	*108*		*71 - 125*	*11/05/20 18:21*	*11/06/20 03:19*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
2-Hexanone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Acetone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Benzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Bromoform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Bromomethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Chloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Chloroform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Chloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Cyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methyl acetate	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Styrene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Toluene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (14.5)
Date Collected: 11/04/20 08:50
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-1
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Trichloroethene	**51000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10
Xylenes, Total	ND		2200		ug/Kg	☼	11/06/20 12:47	11/08/20 13:39	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*11/06/20 12:47*	*11/08/20 13:39*	*10*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*	*11/06/20 12:47*	*11/08/20 13:39*	*10*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*11/06/20 12:47*	*11/08/20 13:39*	*10*
Toluene-d8 (Surr)	*102*		*50 - 149*	*11/06/20 12:47*	*11/08/20 13:39*	*10*

Client Sample ID: D-32 (18.5)

Date Collected: 11/04/20 09:05
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-2

Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,1-Dichloroethene	**19**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Acetone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
cis-1,2-Dichloroethene	**250**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Cyclohexane	ND	* vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Tetrachloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Toluene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
trans-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Trichloroethene	**8400**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Vinyl chloride	**21**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/06/20 03:44	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (18.5)
Date Collected: 11/04/20 09:05
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-2
Matrix: Solid
Percent Solids: 89.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	11/05/20 18:21	11/06/20 03:44	1
4-Bromofluorobenzene (Surr)	82		72 - 126	11/05/20 18:21	11/06/20 03:44	1
Dibromofluoromethane (Surr)	103		60 - 140	11/05/20 18:21	11/06/20 03:44	1
Toluene-d8 (Surr)	105		71 - 125	11/05/20 18:21	11/06/20 03:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methyl ethyl ketone (MEK)	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
2-Hexanone	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methyl isobutyl ketone (MIBK)	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Acetone	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Benzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Bromodichloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Bromoform	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Bromomethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Carbon disulfide	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Chlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Chloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Chloroform	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Chloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Cyclohexane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Dibromochloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Ethylbenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Isopropylbenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methyl acetate	ND		5900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methylcyclohexane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Methylene Chloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Styrene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Tetrachloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Toluene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (18.5)
Date Collected: 11/04/20 09:05
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-2
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Trichloroethene	**55000**		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Vinyl chloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 14:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/06/20 12:47*	*11/08/20 14:02*	*10*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*11/06/20 12:47*	*11/08/20 14:02*	*10*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*11/06/20 12:47*	*11/08/20 14:02*	*10*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/06/20 12:47*	*11/08/20 14:02*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-33 (23.5)
Date Collected: 11/04/20 11:30
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-3
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,1,2,2-Tetrachloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,1,2-Trichloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,1-Dichloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,1-Dichloroethene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2,4-Trichlorobenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2-Dibromo-3-Chloropropane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2-Dibromoethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2-Dichlorobenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2-Dichloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,2-Dichloropropane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,3-Dichlorobenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
1,4-Dichlorobenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methyl ethyl ketone (MEK)	ND		4500		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
2-Hexanone	ND		4500		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methyl isobutyl ketone (MIBK)	ND		4500		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Acetone	ND		4500		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Benzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Bromodichloromethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Bromoform	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Bromomethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Carbon disulfide	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Carbon tetrachloride	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Chlorobenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Chloroethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Chloroform	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Chloromethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
cis-1,2-Dichloroethene	**5400**		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
cis-1,3-Dichloropropene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Cyclohexane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Dibromochloromethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Dichlorodifluoromethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Ethylbenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Isopropylbenzene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methyl acetate	ND		4500		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methyl tert-butyl ether	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methylcyclohexane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Methylene Chloride	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Styrene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Tetrachloroethene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Toluene	**1100**		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
trans-1,2-Dichloroethene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
trans-1,3-Dichloropropene	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Trichloroethene	**37000**		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Trichlorofluoromethane	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Vinyl chloride	ND		900		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8
Xylenes, Total	ND		1800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:24	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-33 (23.5)
Date Collected: 11/04/20 11:30
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-3
Matrix: Solid
Percent Solids: 91.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	11/06/20 12:47	11/08/20 14:24	8
4-Bromofluorobenzene (Surr)	112		49 - 148	11/06/20 12:47	11/08/20 14:24	8
Dibromofluoromethane (Surr)	110		60 - 140	11/06/20 12:47	11/08/20 14:24	8
Toluene-d8 (Surr)	105		50 - 149	11/06/20 12:47	11/08/20 14:24	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-33 (24.8)
Date Collected: 11/04/20 11:40
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-4
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,1-Dichloroethene	**27**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2-Dichloroethane	**910**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Acetone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
cis-1,2-Dichloroethene	**5600**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Cyclohexane	ND	* vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Tetrachloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Toluene	**630**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
trans-1,2-Dichloroethene	**17**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Trichloroethene	**8400**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Vinyl chloride	**150**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1
Xylenes, Total	**24**	**vs**	11		ug/Kg	☼	11/05/20 18:21	11/06/20 04:35	1

Client Sample ID: D-33 (24.8)
Date Collected: 11/04/20 11:40
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-4
Matrix: Solid
Percent Solids: 90.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*11/05/20 18:21*	*11/06/20 04:35*	*1*
4-Bromofluorobenzene (Surr)	*84*		*72 - 126*	*11/05/20 18:21*	*11/06/20 04:35*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/05/20 18:21*	*11/06/20 04:35*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*11/05/20 18:21*	*11/06/20 04:35*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methyl ethyl ketone (MEK)	ND		5800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
2-Hexanone	ND		5800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methyl isobutyl ketone (MIBK)	ND		5800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Acetone	ND		5800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Benzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Bromodichloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Bromoform	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Bromomethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Carbon disulfide	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Chlorobenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Chloroethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Chloroform	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Chloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
cis-1,2-Dichloroethene	**8600**		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Cyclohexane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Dibromochloromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Ethylbenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Isopropylbenzene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methyl acetate	ND		5800		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methylcyclohexane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Methylene Chloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Styrene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Tetrachloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Toluene	**1300**		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-33 (24.8)
Date Collected: 11/04/20 11:40
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-4
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Trichloroethene	**73000**		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Vinyl chloride	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 14:47	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*11/06/20 12:47*	*11/08/20 14:47*	*10*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 14:47*	*10*
Dibromofluoromethane (Surr)	*115*		*60 - 140*	*11/06/20 12:47*	*11/08/20 14:47*	*10*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/06/20 12:47*	*11/08/20 14:47*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (26)
Date Collected: 11/04/20 13:55
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-5
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,1,2,2-Tetrachloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,1,2-Trichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,1-Dichloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,1-Dichloroethene	**30**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2,4-Trichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2-Dibromoethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2-Dichloroethane	**330**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,2-Dichloropropane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,3-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
1,4-Dichlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methyl ethyl ketone (MEK)	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
2-Hexanone	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methyl isobutyl ketone (MIBK)	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Acetone	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Benzene	**5.4**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Bromodichloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Bromoform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Bromomethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Carbon disulfide	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Carbon tetrachloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Chlorobenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Chloroethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Chloroform	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Chloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
cis-1,2-Dichloroethene	**6500**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
cis-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Cyclohexane	ND	* vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Dibromochloromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Dichlorodifluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Ethylbenzene	**17**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Isopropylbenzene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methyl acetate	ND	vs	26		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methyl tert-butyl ether	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methylcyclohexane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Methylene Chloride	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Styrene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Tetrachloroethene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Toluene	**980**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
trans-1,2-Dichloroethene	**15**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
trans-1,3-Dichloropropene	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Trichloroethene	**8500**	**E vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Trichlorofluoromethane	ND	vs	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Vinyl chloride	**66**	**vs**	5.3		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1
Xylenes, Total	**81**	**vs**	11		ug/Kg	☼	11/05/20 18:21	11/06/20 05:00	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (26)

Date Collected: 11/04/20 13:55
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-5

Matrix: Solid
Percent Solids: 91.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 126*	*11/05/20 18:21*	*11/06/20 05:00*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*11/05/20 18:21*	*11/06/20 05:00*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/05/20 18:21*	*11/06/20 05:00*	*1*
Toluene-d8 (Surr)	*106*		*71 - 125*	*11/05/20 18:21*	*11/06/20 05:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
2-Hexanone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Acetone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Benzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Bromoform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Bromomethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Chloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Chloroform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Chloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
cis-1,2-Dichloroethene	**12000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Cyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methyl acetate	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Styrene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Toluene	**2000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (26)
Date Collected: 11/04/20 13:55
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-5
Matrix: Solid
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Trichloroethene	**71000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 15:10	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*11/06/20 12:47*	*11/08/20 15:10*	*10*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*11/06/20 12:47*	*11/08/20 15:10*	*10*
Dibromofluoromethane (Surr)	*105*		*60 - 140*	*11/06/20 12:47*	*11/08/20 15:10*	*10*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/06/20 12:47*	*11/08/20 15:10*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (27)
Date Collected: 11/04/20 14:00
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-6
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,1,2-Trichloroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,1-Dichloroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,1-Dichloroethene	**11**	**vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2,4-Trichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2-Dibromoethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2-Dichloroethane	**370**	**E vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,2-Dichloropropane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,3-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
1,4-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methyl ethyl ketone (MEK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methyl isobutyl ketone (MIBK)	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Acetone	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Benzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Bromodichloromethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Bromoform	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Bromomethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Carbon disulfide	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Carbon tetrachloride	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Chlorobenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Chloroethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Chloroform	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Chloromethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
cis-1,2-Dichloroethene	**4800**	**E vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
cis-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Cyclohexane	ND	* vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Dibromochloromethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Dichlorodifluoromethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Ethylbenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Isopropylbenzene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methyl tert-butyl ether	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methylcyclohexane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Methylene Chloride	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Styrene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Tetrachloroethene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Toluene	**570**	**E vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
trans-1,2-Dichloroethene	**5.7**	**vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
trans-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Trichloroethene	**8000**	**E vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Trichlorofluoromethane	ND	vs	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Vinyl chloride	**30**	**vs**	5.4		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/06/20 05:24	1

Client Sample ID: D-34 (27)
Date Collected: 11/04/20 14:00
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-6
Matrix: Solid
Percent Solids: 91.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*11/05/20 18:21*	*11/06/20 05:24*	*1*
4-Bromofluorobenzene (Surr)	*86*		*72 - 126*	*11/05/20 18:21*	*11/06/20 05:24*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/05/20 18:21*	*11/06/20 05:24*	*1*
Toluene-d8 (Surr)	*107*		*71 - 125*	*11/05/20 18:21*	*11/06/20 05:24*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methyl ethyl ketone (MEK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
2-Hexanone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methyl isobutyl ketone (MIBK)	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Acetone	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Benzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Bromodichloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Bromoform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Bromomethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Carbon disulfide	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Chlorobenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Chloroethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Chloroform	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Chloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
cis-1,2-Dichloroethene	**6100**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Cyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Dibromochloromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Ethylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Isopropylbenzene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methyl acetate	ND		5600		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methylcyclohexane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Methylene Chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Styrene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Tetrachloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Toluene	**1300**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (27)
Date Collected: 11/04/20 14:00
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-6
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Trichloroethene	**55000**		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Vinyl chloride	ND		1100		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10
Xylenes, Total	ND		2300		ug/Kg	☼	11/06/20 12:47	11/08/20 15:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/06/20 12:47*	*11/08/20 15:33*	*10*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 15:33*	*10*
Dibromofluoromethane (Surr)	*114*		*60 - 140*	*11/06/20 12:47*	*11/08/20 15:33*	*10*
Toluene-d8 (Surr)	*106*		*50 - 149*	*11/06/20 12:47*	*11/08/20 15:33*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (28.5)
Date Collected: 11/04/20 14:10
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-7
Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,1-Dichloroethene	**31**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2-Dichloroethane	**460**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,2-Dichloropropane	**5.9**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methyl ethyl ketone (MEK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methyl isobutyl ketone (MIBK)	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Acetone	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
cis-1,2-Dichloroethene	**5700**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Cyclohexane	ND	* vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Tetrachloroethene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Toluene	**470**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
trans-1,2-Dichloroethene	**11**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Trichloroethene	**7800**	**E vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Vinyl chloride	**210**	**vs**	5.5		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/05/20 18:21	11/06/20 05:50	1

Client Sample ID: D-34 (28.5)
Date Collected: 11/04/20 14:10
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-7
Matrix: Solid
Percent Solids: 88.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/05/20 18:21*	*11/06/20 05:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*11/05/20 18:21*	*11/06/20 05:50*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*11/05/20 18:21*	*11/06/20 05:50*	*1*
Toluene-d8 (Surr)	*102*		*71 - 125*	*11/05/20 18:21*	*11/06/20 05:50*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,1,2,2-Tetrachloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,1,2-Trichloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,1-Dichloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,1-Dichloroethene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2,4-Trichlorobenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2-Dibromo-3-Chloropropane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2-Dibromoethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2-Dichlorobenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2-Dichloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,2-Dichloropropane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,3-Dichlorobenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
1,4-Dichlorobenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methyl ethyl ketone (MEK)	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
2-Hexanone	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methyl isobutyl ketone (MIBK)	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Acetone	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Benzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Bromodichloromethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Bromoform	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Bromomethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Carbon disulfide	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Carbon tetrachloride	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Chlorobenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Chloroethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Chloroform	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Chloromethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
cis-1,2-Dichloroethene	**3000**		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
cis-1,3-Dichloropropene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Cyclohexane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Dibromochloromethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Dichlorodifluoromethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Ethylbenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Isopropylbenzene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methyl acetate	ND		2900		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methyl tert-butyl ether	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methylcyclohexane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Methylene Chloride	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Styrene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Tetrachloroethene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Toluene	**860**		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
trans-1,2-Dichloroethene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (28.5)
Date Collected: 11/04/20 14:10
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-7
Matrix: Solid
Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Trichloroethene	**28000**		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Trichlorofluoromethane	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Vinyl chloride	ND		580		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5
Xylenes, Total	ND		1200		ug/Kg	☼	11/06/20 12:47	11/08/20 15:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*11/06/20 12:47*	*11/08/20 15:57*	*5*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 15:57*	*5*
Dibromofluoromethane (Surr)	*106*		*60 - 140*	*11/06/20 12:47*	*11/08/20 15:57*	*5*
Toluene-d8 (Surr)	*105*		*50 - 149*	*11/06/20 12:47*	*11/08/20 15:57*	*5*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (31.5)
Date Collected: 11/04/20 14:15
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-8
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,1,2-Trichloroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,1-Dichloroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,1-Dichloroethene	**15**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2,4-Trichlorobenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2-Dibromoethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2-Dichloroethane	**3000**	**E vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,2-Dichloropropane	**36**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,3-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
1,4-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methyl ethyl ketone (MEK)	ND	vs	29		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
2-Hexanone	ND	vs	29		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methyl isobutyl ketone (MIBK)	**48**	**vs**	29		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Acetone	**110**	**vs**	29		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Benzene	**14**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Bromodichloromethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Bromoform	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Bromomethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Carbon disulfide	**7.6**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Carbon tetrachloride	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Chlorobenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Chloroethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Chloroform	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Chloromethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
cis-1,2-Dichloroethene	**5600**	**E vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
cis-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Cyclohexane	ND	* vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Dibromochloromethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Dichlorodifluoromethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Ethylbenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Isopropylbenzene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methyl acetate	ND	vs	29		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methyl tert-butyl ether	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methylcyclohexane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Methylene Chloride	**30**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Styrene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Tetrachloroethene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Toluene	**650**	**E vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
trans-1,2-Dichloroethene	**14**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
trans-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Trichloroethene	**10000**	**E vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Trichlorofluoromethane	ND	vs	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Vinyl chloride	**70**	**vs**	5.8		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	11/05/20 18:21	11/06/20 06:15	1

Client Sample ID: D-34 (31.5)

Date Collected: 11/04/20 14:15
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-8

Matrix: Solid
Percent Solids: 84.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/05/20 18:21*	*11/06/20 06:15*	*1*
4-Bromofluorobenzene (Surr)	*85*		*72 - 126*	*11/05/20 18:21*	*11/06/20 06:15*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/05/20 18:21*	*11/06/20 06:15*	*1*
Toluene-d8 (Surr)	*108*		*71 - 125*	*11/05/20 18:21*	*11/06/20 06:15*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,1,2,2-Tetrachloroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,1,2-Trichloroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,1-Dichloroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,1-Dichloroethene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2,4-Trichlorobenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2-Dibromo-3-Chloropropane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2-Dibromoethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2-Dichlorobenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2-Dichloroethane	**3500**		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,2-Dichloropropane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,3-Dichlorobenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
1,4-Dichlorobenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methyl ethyl ketone (MEK)	ND		13000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
2-Hexanone	ND		13000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methyl isobutyl ketone (MIBK)	ND		13000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Acetone	ND		13000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Benzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Bromodichloromethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Bromoform	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Bromomethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Carbon disulfide	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Carbon tetrachloride	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Chlorobenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Chloroethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Chloroform	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Chloromethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
cis-1,2-Dichloroethene	**6600**		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
cis-1,3-Dichloropropene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Cyclohexane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Dibromochloromethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Dichlorodifluoromethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Ethylbenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Isopropylbenzene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methyl acetate	ND		13000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methyl tert-butyl ether	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methylcyclohexane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Methylene Chloride	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Styrene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Tetrachloroethene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Toluene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
trans-1,2-Dichloroethene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (31.5)
Date Collected: 11/04/20 14:15
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-8
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Trichloroethene	**110000**		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Trichlorofluoromethane	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Vinyl chloride	ND		2500		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20
Xylenes, Total	ND		5000		ug/Kg	☼	11/06/20 12:47	11/08/20 16:20	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*11/06/20 12:47*	*11/08/20 16:20*	*20*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*	*11/06/20 12:47*	*11/08/20 16:20*	*20*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*11/06/20 12:47*	*11/08/20 16:20*	*20*
Toluene-d8 (Surr)	*103*		*50 - 149*	*11/06/20 12:47*	*11/08/20 16:20*	*20*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-177656-1	D-32 (14.5)	101	83	102	108
480-177656-2	D-32 (18.5)	101	82	103	105
480-177656-4	D-33 (24.8)	100	84	104	106
480-177656-5	D-34 (26)	99	85	104	106
480-177656-6	D-34 (27)	100	86	102	107
480-177656-7	D-34 (28.5)	101	96	101	102
480-177656-8	D-34 (31.5)	104	85	102	108
LCS 480-557691/1-A	Lab Control Sample	103	101	104	102
MB 480-557691/2-A	Method Blank	103	101	102	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177656-1 - DL	D-32 (14.5)	107	113	108	102
480-177656-2 - DL	D-32 (18.5)	102	109	110	105
480-177656-3	D-33 (23.5)	105	112	110	105
480-177656-4 - DL	D-33 (24.8)	109	110	115	105
480-177656-5 - DL	D-34 (26)	93	107	105	103
480-177656-6 - DL	D-34 (27)	102	110	114	106
480-177656-7 - DL	D-34 (28.5)	100	110	106	105
480-177656-8 - DL	D-34 (31.5)	107	106	108	103
LCS 480-557841/1-A	Lab Control Sample	104	112	110	104
MB 480-557841/2-A	Method Blank	104	110	107	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-557691/2-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557691

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1-Dichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,1-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dibromoethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,2-Dichloropropane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl ethyl ketone (MEK)	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
2-Hexanone	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl isobutyl ketone (MIBK)	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Acetone	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Benzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromodichloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromoform	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Bromomethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Carbon disulfide	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Carbon tetrachloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chlorobenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloroethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloroform	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Chloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Cyclohexane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Dibromochloromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Ethylbenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Isopropylbenzene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl acetate	ND		25		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methylcyclohexane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Methylene Chloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Styrene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Tetrachloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Toluene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Trichloroethene	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Trichlorofluoromethane	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Vinyl chloride	ND		5.0		ug/Kg		11/05/20 18:21	11/05/20 21:42	1
Xylenes, Total	ND		10		ug/Kg		11/05/20 18:21	11/05/20 21:42	1

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

Lab Sample ID: MB 480-557691/2-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557691

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	11/05/20 18:21	11/05/20 21:42	1
4-Bromofluorobenzene (Surr)	101		72 - 126	11/05/20 18:21	11/05/20 21:42	1
Dibromofluoromethane (Surr)	102		60 - 140	11/05/20 18:21	11/05/20 21:42	1
Toluene-d8 (Surr)	99		71 - 125	11/05/20 18:21	11/05/20 21:42	1

Lab Sample ID: LCS 480-557691/1-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	58.2		ug/Kg		116	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	63.3		ug/Kg		127	60 - 140
1,1,2-Trichloroethane	50.0	50.3		ug/Kg		101	78 - 122
1,1-Dichloroethane	50.0	55.6		ug/Kg		111	73 - 126
1,1-Dichloroethene	50.0	58.9		ug/Kg		118	59 - 125
1,2,4-Trichlorobenzene	50.0	54.7		ug/Kg		109	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/Kg		100	63 - 124
1,2-Dibromoethane	50.0	51.6		ug/Kg		103	78 - 120
1,2-Dichlorobenzene	50.0	52.5		ug/Kg		105	75 - 120
1,2-Dichloroethane	50.0	53.7		ug/Kg		107	77 - 122
1,2-Dichloropropane	50.0	55.6		ug/Kg		111	75 - 124
1,3-Dichlorobenzene	50.0	53.3		ug/Kg		107	74 - 120
1,4-Dichlorobenzene	50.0	53.2		ug/Kg		106	73 - 120
Methyl ethyl ketone (MEK)	250	256		ug/Kg		102	70 - 134
2-Hexanone	250	254		ug/Kg		102	59 - 130
Methyl isobutyl ketone (MIBK)	250	256		ug/Kg		102	65 - 133
Acetone	250	265		ug/Kg		106	61 - 137
Benzene	50.0	55.3		ug/Kg		111	79 - 127
Bromodichloromethane	50.0	54.6		ug/Kg		109	80 - 122
Bromoform	50.0	53.1		ug/Kg		106	68 - 126
Bromomethane	50.0	55.2		ug/Kg		110	37 - 149
Carbon disulfide	50.0	57.5		ug/Kg		115	64 - 131
Carbon tetrachloride	50.0	60.4		ug/Kg		121	75 - 135
Chlorobenzene	50.0	53.9		ug/Kg		108	76 - 124
Chloroethane	50.0	55.5		ug/Kg		111	69 - 135
Chloroform	50.0	53.8		ug/Kg		108	80 - 120
Chloromethane	50.0	57.3		ug/Kg		115	63 - 127
cis-1,2-Dichloroethene	50.0	54.8		ug/Kg		110	81 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	80 - 120
Cyclohexane	50.0	62.9	*	ug/Kg		126	65 - 120
Dibromochloromethane	50.0	53.0		ug/Kg		106	76 - 125
Dichlorodifluoromethane	50.0	60.9		ug/Kg		122	57 - 142
Ethylbenzene	50.0	55.5		ug/Kg		111	80 - 120
Isopropylbenzene	50.0	56.5		ug/Kg		113	72 - 120
Methyl acetate	100	106		ug/Kg		106	55 - 136
Methyl tert-butyl ether	50.0	53.1		ug/Kg		106	63 - 125
Methylcyclohexane	50.0	62.8		ug/Kg		126	60 - 140

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

Lab Sample ID: LCS 480-557691/1-A
Matrix: Solid
Analysis Batch: 557688

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557691

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	53.2		ug/Kg		106	61 - 127
Styrene	50.0	53.9		ug/Kg		108	80 - 120
Tetrachloroethene	50.0	57.5		ug/Kg		115	74 - 122
Toluene	50.0	54.8		ug/Kg		110	74 - 128
trans-1,2-Dichloroethene	50.0	57.3		ug/Kg		115	78 - 126
trans-1,3-Dichloropropene	50.0	52.9		ug/Kg		106	73 - 123
Trichloroethene	50.0	57.0		ug/Kg		114	77 - 129
Trichlorofluoromethane	50.0	58.4		ug/Kg		117	65 - 146
Vinyl chloride	50.0	57.5		ug/Kg		115	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 126*
4-Bromofluorobenzene (Surr)	*101*		*72 - 126*
Dibromofluoromethane (Surr)	*104*		*60 - 140*
Toluene-d8 (Surr)	*102*		*71 - 125*

Lab Sample ID: MB 480-557841/2-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1-Dichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,1-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dibromoethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,2-Dichloropropane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
2-Hexanone	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Acetone	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Benzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromodichloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromoform	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Bromomethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Carbon disulfide	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Carbon tetrachloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chlorobenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chloroethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Chloroform	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1

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

Lab Sample ID: MB 480-557841/2-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 557841

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Cyclohexane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Dibromochloromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Ethylbenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Isopropylbenzene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl acetate	ND		500		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methylcyclohexane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Methylene Chloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Styrene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Tetrachloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Toluene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Trichloroethene	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Trichlorofluoromethane	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Vinyl chloride	ND		100		ug/Kg		11/06/20 12:47	11/08/20 10:12	1
Xylenes, Total	ND		200		ug/Kg		11/06/20 12:47	11/08/20 10:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*	*11/06/20 12:47*	*11/08/20 10:12*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/06/20 12:47*	*11/08/20 10:12*	*1*

Lab Sample ID: LCS 480-557841/1-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2740		ug/Kg		110	68 - 130
1,1,2,2-Tetrachloroethane	2500	2370		ug/Kg		95	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2480		ug/Kg		99	10 - 179
1,1,2-Trichloroethane	2500	2590		ug/Kg		103	80 - 120
1,1-Dichloroethane	2500	2540		ug/Kg		102	78 - 121
1,1-Dichloroethene	2500	2430		ug/Kg		97	48 - 133
1,2,4-Trichlorobenzene	2500	2770		ug/Kg		111	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		87	56 - 122
1,2-Dibromoethane	2500	2510		ug/Kg		100	80 - 120
1,2-Dichlorobenzene	2500	2460		ug/Kg		99	78 - 125
1,2-Dichloroethane	2500	2600		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2680		ug/Kg		107	80 - 120
1,3-Dichlorobenzene	2500	2470		ug/Kg		99	80 - 120
1,4-Dichlorobenzene	2500	2490		ug/Kg		100	80 - 120
Methyl ethyl ketone (MEK)	12500	11600		ug/Kg		93	54 - 149

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

Lab Sample ID: LCS 480-557841/1-A
Matrix: Solid
Analysis Batch: 557994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 557841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	12500	11200		ug/Kg		90	59 - 127
Methyl isobutyl ketone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	10800		ug/Kg		86	47 - 141
Benzene	2500	2600		ug/Kg		104	77 - 125
Bromodichloromethane	2500	2490		ug/Kg		100	71 - 121
Bromoform	2500	2420		ug/Kg		97	48 - 125
Bromomethane	2500	2110		ug/Kg		85	39 - 149
Carbon disulfide	2500	2440		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2630		ug/Kg		105	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Chloroethane	2500	1510		ug/Kg		60	23 - 150
Chloroform	2500	2540		ug/Kg		102	78 - 120
Chloromethane	2500	2130		ug/Kg		85	61 - 124
cis-1,2-Dichloroethene	2500	2570		ug/Kg		103	79 - 124
cis-1,3-Dichloropropene	2500	2640		ug/Kg		106	75 - 121
Cyclohexane	2500	2670		ug/Kg		107	49 - 129
Dibromochloromethane	2500	2450		ug/Kg		98	64 - 120
Dichlorodifluoromethane	2500	2260		ug/Kg		90	10 - 150
Ethylbenzene	2500	2650		ug/Kg		106	78 - 124
Isopropylbenzene	2500	2630		ug/Kg		105	76 - 120
Methyl acetate	5000	5030		ug/Kg		101	71 - 123
Methyl tert-butyl ether	2500	2460		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2810		ug/Kg		113	50 - 130
Methylene Chloride	2500	2600		ug/Kg		104	75 - 118
Styrene	2500	2660		ug/Kg		106	80 - 120
Tetrachloroethene	2500	2870		ug/Kg		115	73 - 133
Toluene	2500	2690		ug/Kg		108	75 - 124
trans-1,2-Dichloroethene	2500	2730		ug/Kg		109	74 - 129
trans-1,3-Dichloropropene	2500	2560		ug/Kg		102	73 - 120
Trichloroethene	2500	2680		ug/Kg		107	75 - 131
Trichlorofluoromethane	2500	2450		ug/Kg		98	29 - 158
Vinyl chloride	2500	2260		ug/Kg		90	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Dibromofluoromethane (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

GC/MS VOA

Analysis Batch: 557688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177656-1	D-32 (14.5)	Total/NA	Solid	8260C	557691
480-177656-2	D-32 (18.5)	Total/NA	Solid	8260C	557691
480-177656-4	D-33 (24.8)	Total/NA	Solid	8260C	557691
480-177656-5	D-34 (26)	Total/NA	Solid	8260C	557691
480-177656-6	D-34 (27)	Total/NA	Solid	8260C	557691
480-177656-7	D-34 (28.5)	Total/NA	Solid	8260C	557691
480-177656-8	D-34 (31.5)	Total/NA	Solid	8260C	557691
MB 480-557691/2-A	Method Blank	Total/NA	Solid	8260C	557691
LCS 480-557691/1-A	Lab Control Sample	Total/NA	Solid	8260C	557691

Prep Batch: 557691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177656-1	D-32 (14.5)	Total/NA	Solid	5035A_L	
480-177656-2	D-32 (18.5)	Total/NA	Solid	5035A_L	
480-177656-4	D-33 (24.8)	Total/NA	Solid	5035A_L	
480-177656-5	D-34 (26)	Total/NA	Solid	5035A_L	
480-177656-6	D-34 (27)	Total/NA	Solid	5035A_L	
480-177656-7	D-34 (28.5)	Total/NA	Solid	5035A_L	
480-177656-8	D-34 (31.5)	Total/NA	Solid	5035A_L	
MB 480-557691/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-557691/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 557841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177656-1 - DL	D-32 (14.5)	Total/NA	Solid	5035A_H	
480-177656-2 - DL	D-32 (18.5)	Total/NA	Solid	5035A_H	
480-177656-3	D-33 (23.5)	Total/NA	Solid	5035A_H	
480-177656-4 - DL	D-33 (24.8)	Total/NA	Solid	5035A_H	
480-177656-5 - DL	D-34 (26)	Total/NA	Solid	5035A_H	
480-177656-6 - DL	D-34 (27)	Total/NA	Solid	5035A_H	
480-177656-7 - DL	D-34 (28.5)	Total/NA	Solid	5035A_H	
480-177656-8 - DL	D-34 (31.5)	Total/NA	Solid	5035A_H	
MB 480-557841/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-557841/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 557994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177656-1 - DL	D-32 (14.5)	Total/NA	Solid	8260C	557841
480-177656-2 - DL	D-32 (18.5)	Total/NA	Solid	8260C	557841
480-177656-3	D-33 (23.5)	Total/NA	Solid	8260C	557841
480-177656-4 - DL	D-33 (24.8)	Total/NA	Solid	8260C	557841
480-177656-5 - DL	D-34 (26)	Total/NA	Solid	8260C	557841
480-177656-6 - DL	D-34 (27)	Total/NA	Solid	8260C	557841
480-177656-7 - DL	D-34 (28.5)	Total/NA	Solid	8260C	557841
480-177656-8 - DL	D-34 (31.5)	Total/NA	Solid	8260C	557841
MB 480-557841/2-A	Method Blank	Total/NA	Solid	8260C	557841
LCS 480-557841/1-A	Lab Control Sample	Total/NA	Solid	8260C	557841

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

General Chemistry

Analysis Batch: 557711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177656-1	D-32 (14.5)	Total/NA	Solid	Moisture	
480-177656-2	D-32 (18.5)	Total/NA	Solid	Moisture	
480-177656-3	D-33 (23.5)	Total/NA	Solid	Moisture	
480-177656-4	D-33 (24.8)	Total/NA	Solid	Moisture	
480-177656-5	D-34 (26)	Total/NA	Solid	Moisture	
480-177656-6	D-34 (27)	Total/NA	Solid	Moisture	
480-177656-7	D-34 (28.5)	Total/NA	Solid	Moisture	
480-177656-8	D-34 (31.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-32 (14.5)
Date Collected: 11/04/20 08:50
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-32 (14.5)
Date Collected: 11/04/20 08:50
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-1
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 03:19	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 13:39	AMM	TAL BUF

Client Sample ID: D-32 (18.5)
Date Collected: 11/04/20 09:05
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-32 (18.5)
Date Collected: 11/04/20 09:05
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-2
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 03:44	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 14:02	AMM	TAL BUF

Client Sample ID: D-33 (23.5)
Date Collected: 11/04/20 11:30
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-33 (23.5)
Date Collected: 11/04/20 11:30
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-3
Matrix: Solid
Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C		8	557994	11/08/20 14:24	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-33 (24.8)
Date Collected: 11/04/20 11:40
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-33 (24.8)
Date Collected: 11/04/20 11:40
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-4
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 04:35	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 14:47	AMM	TAL BUF

Client Sample ID: D-34 (26)
Date Collected: 11/04/20 13:55
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-34 (26)
Date Collected: 11/04/20 13:55
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-5
Matrix: Solid
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 05:00	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 15:10	AMM	TAL BUF

Client Sample ID: D-34 (27)
Date Collected: 11/04/20 14:00
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-34 (27)
Date Collected: 11/04/20 14:00
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-6
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 05:24	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	557994	11/08/20 15:33	AMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Client Sample ID: D-34 (28.5)
Date Collected: 11/04/20 14:10
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-34 (28.5)
Date Collected: 11/04/20 14:10
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-7
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 05:50	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	5	557994	11/08/20 15:57	AMM	TAL BUF

Client Sample ID: D-34 (31.5)
Date Collected: 11/04/20 14:15
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	557711	11/05/20 21:47	CDC	TAL BUF

Client Sample ID: D-34 (31.5)
Date Collected: 11/04/20 14:15
Date Received: 11/05/20 10:00

Lab Sample ID: 480-177656-8
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			557691	11/05/20 18:21	CDC	TAL BUF
Total/NA	Analysis	8260C		1	557688	11/06/20 06:15	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		557841	11/06/20 12:47	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	20	557994	11/08/20 16:20	AMM	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177656-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177656-1	D-32 (14.5)	Solid	11/04/20 08:50	11/05/20 10:00	
480-177656-2	D-32 (18.5)	Solid	11/04/20 09:05	11/05/20 10:00	
480-177656-3	D-33 (23.5)	Solid	11/04/20 11:30	11/05/20 10:00	
480-177656-4	D-33 (24.8)	Solid	11/04/20 11:40	11/05/20 10:00	
480-177656-5	D-34 (26)	Solid	11/04/20 13:55	11/05/20 10:00	
480-177656-6	D-34 (27)	Solid	11/04/20 14:00	11/05/20 10:00	
480-177656-7	D-34 (28.5)	Solid	11/04/20 14:10	11/05/20 10:00	
480-177656-8	D-34 (31.5)	Solid	11/04/20 14:15	11/05/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.8
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~2 of 2~~ 1 of 1
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days - Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, ...decahydrate, ...-5 (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of co	Special Instructions/Note:
			Preservation Code:				N	N		
D-32 (14.5)	11/4/20	0850	G	Solid			X		1	
D-32 (18.5)	11/4/20	0905	G	Solid			X		1	
D-33 (23.5)	11/4/20	1130	G	Solid			X		1	
D-33 (24.8)	11/4/20	1140	G	Solid			X		1	
D-34 (26)	11/4/20	1355	G	Solid			X		1	
D-34 (27)	11/4/20	1400	G	Solid			X		1	
D-34 (28.5)	11/4/20	1410	G	Solid			X		1	
D-34 (31.5)	11/4/20	1415	G	Solid			X		1	
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	11/4/20 1745	Arcadis	Unknown	11/05/20 [illegible]	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.6 #1 ICE

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177656-1

Login Number: 177656
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-177887-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
11/24/2020 3:42:18 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at:
www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-177887-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-177887-1

Comments
No additional comments.

Receipt
The samples were received on 11/7/2020 10:00 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-35 (28.7) (480-177887-2), D-35 (33) (480-177887-3), D-36 (32.8) (480-177887-4), D-37 (26.9) (480-177887-5), D-37 (28.3) (480-177887-6), D-37 (31.7) (480-177887-7), D-37 (32.3) (480-177887-8), DUP-06_20201105 (480-177887-10), D-38 (27.2) (480-177887-12) and D-38 (28.5) (480-177887-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558565 recovered above the upper control limit for Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-35 (4.3) SLAG (480-177887-1), D-35 (28.7) (480-177887-2), D-35 (33) (480-177887-3), D-36 (32.8) (480-177887-4), D-37 (26.9) (480-177887-5), D-37 (28.3) (480-177887-6), D-37 (31.7) (480-177887-7), D-37 (32.3) (480-177887-8), DUP-06_20201105 (480-177887-10), D-38 (27.2) (480-177887-12) and D-38 (28.5) (480-177887-13).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the nature of the sample matrix: D-35 (4.3) SLAG (480-177887-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The surrogate Dibromofluoromethane (SURR) was outside the 20%D limits on the continuing calibration verification (CCV) but was within laboratory limits. The following samples are impacted: D-35 (4.3) SLAG (480-177887-1), D-35 (28.7) (480-177887-2), D-35 (33) (480-177887-3), D-36 (32.8) (480-177887-4), D-37 (26.9) (480-177887-5), D-37 (28.3) (480-177887-6), D-37 (31.7) (480-177887-7), D-37 (32.3) (480-177887-8), DUP-06_20201105 (480-177887-10), D-38 (27.2) (480-177887-12) and D-38 (28.5) (480-177887-13).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-37 (33.7) (480-177887-9), D-37 (33.7) (480-177887-9[MS]), D-37 (33.7) (480-177887-9[MSD]), D-38 (29) (480-177887-14), D-38 (30) (480-177887-15), D-38 (29.5) (480-177887-16), D-38 (33.5) (480-177887-18), DUP-07_20201106 (480-177887-19), D-39 (22) (480-177887-21), D-39 (22.3) (480-177887-22) and D-39 (22.5) (480-177887-23). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558774 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-558981 recovered outside acceptance criteria, low biased, for 2-Hexanone, Chloromethane, 4-Methyl-2-pentanone (MIBK) and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-38 (31-31.5) (480-177887-17), D-38 (31-31.5) (480-177887-17[MS]), D-38 (31-31.5) (480-177887-17[MSD]), D-39 (29.6) (480-177887-25), D-39 (31.2) (480-177887-26), D-40 (21.5) (480-177887-27), D-40 (33.3) (480-177887-28) and D-38 (30.5) (480-177887-29). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-39 (28.2) (480-177887-24). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559093 recovered above the upper control limit for

Job ID: 480-177887-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Carbon tetrachloride, 1,1,1-Trichloroethane and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: D-39 (28.2) (480-177887-24).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-559093 recovered outside acceptance criteria, low biased, for 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8260C: The following samples were diluted due to the abundance of target analytes : D-38 (31-31.5) (480-177887-17[MS]) and D-38 (31-31.5) (480-177887-17[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

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

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

Client Sample ID: D-35 (4.3) SLAG — Lab Sample ID: 480-177887-1

No Detections.

Client Sample ID: D-35 (28.7) — Lab Sample ID: 480-177887-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	560		460		ug/Kg	4	☼	8260C	Total/NA
cis-1,2-Dichloroethene	3600		460		ug/Kg	4	☼	8260C	Total/NA
Toluene	880		460		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	18000		460		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-35 (33) — Lab Sample ID: 480-177887-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	320		250		ug/Kg	2	☼	8260C	Total/NA
cis-1,2-Dichloroethene	2300		250		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	9000		250		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-36 (32.8) — Lab Sample ID: 480-177887-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	510		220		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	10000		220		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-37 (26.9) — Lab Sample ID: 480-177887-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	80000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-37 (28.3) — Lab Sample ID: 480-177887-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	130000		5600		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-37 (31.7) — Lab Sample ID: 480-177887-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	46000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-37 (32.3) — Lab Sample ID: 480-177887-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	38000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-37 (33.7) — Lab Sample ID: 480-177887-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	37000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: DUP-06_20201105 — Lab Sample ID: 480-177887-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	53000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-38 (1.9-2.1) — Lab Sample ID: 480-177887-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	4.1		0.5		%	1		ASTM D2974	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-38 (1.9-2.1) (Continued) — Lab Sample ID: 480-177887-11

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Ash Content	95.9		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	17.9		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: D-38 (27.2) — Lab Sample ID: 480-177887-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2000000		45000		ug/Kg	400	☼	8260C	Total/NA

Client Sample ID: D-38 (28.5) — Lab Sample ID: 480-177887-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1300000		49000		ug/Kg	400	☼	8260C	Total/NA

Client Sample ID: D-38 (29) — Lab Sample ID: 480-177887-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1200000		26000		ug/Kg	200	☼	8260C	Total/NA

Client Sample ID: D-38 (30) — Lab Sample ID: 480-177887-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4100000		47000		ug/Kg	400	☼	8260C	Total/NA

Client Sample ID: D-38 (29.5) — Lab Sample ID: 480-177887-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3700000		49000		ug/Kg	400	☼	8260C	Total/NA

Client Sample ID: D-38 (31-31.5) — Lab Sample ID: 480-177887-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		3300		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-38 (33.5) — Lab Sample ID: 480-177887-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	190000		4900		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: DUP-07_20201106 — Lab Sample ID: 480-177887-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	220000		6100		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-39 (1.9-2.4) — Lab Sample ID: 480-177887-20

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	5.6		0.5		%	1		ASTM D2974	Total/NA
Ash Content	94.4		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	20.9		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: D-39 (22) — Lab Sample ID: 480-177887-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1900000		28000		ug/Kg	250	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22.3) — Lab Sample ID: 480-177887-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	880000		21000		ug/Kg	200	☼	8260C	Total/NA

Client Sample ID: D-39 (22.5) — Lab Sample ID: 480-177887-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	83000		1000		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-39 (28.2) — Lab Sample ID: 480-177887-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2700000		60000		ug/Kg	500	☼	8260C	Total/NA

Client Sample ID: D-39 (29.6) — Lab Sample ID: 480-177887-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	24000000		570000		ug/Kg	4000	☼	8260C	Total/NA

Client Sample ID: D-39 (31.2) — Lab Sample ID: 480-177887-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	72000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-40 (21.5) — Lab Sample ID: 480-177887-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	140000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-40 (33.3) — Lab Sample ID: 480-177887-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	57000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-38 (30.5) — Lab Sample ID: 480-177887-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1700000		64000		ug/Kg	500	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (4.3) SLAG
Date Collected: 11/05/20 09:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-1
Matrix: Solid
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methyl ethyl ketone (MEK)	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
2-Hexanone	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Acetone	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Benzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Bromodichloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Bromoform	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Bromomethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Carbon disulfide	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Carbon tetrachloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Chlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Chloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Chloroform	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Chloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
cis-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Cyclohexane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Dibromochloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Ethylbenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Isopropylbenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methyl acetate	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methylcyclohexane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Methylene Chloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Styrene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Tetrachloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Toluene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Trichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Vinyl chloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4
Xylenes, Total	ND		910		ug/Kg	☼	11/11/20 10:52	11/12/20 01:43	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (4.3) SLAG
Date Collected: 11/05/20 09:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-1
Matrix: Solid
Percent Solids: 88.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		53 - 146	11/11/20 10:52	11/12/20 01:43	4
4-Bromofluorobenzene (Surr)	107		49 - 148	11/11/20 10:52	11/12/20 01:43	4
Dibromofluoromethane (Surr)	111		60 - 140	11/11/20 10:52	11/12/20 01:43	4
Toluene-d8 (Surr)	107		50 - 149	11/11/20 10:52	11/12/20 01:43	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (28.7)
Date Collected: 11/05/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-2
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2-Dichloroethane	**560**		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methyl ethyl ketone (MEK)	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
2-Hexanone	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methyl isobutyl ketone (MIBK)	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Acetone	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Benzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Bromodichloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Bromoform	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Bromomethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Carbon disulfide	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Carbon tetrachloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Chlorobenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Chloroethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Chloroform	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Chloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
cis-1,2-Dichloroethene	**3600**		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Cyclohexane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Dibromochloromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Ethylbenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Isopropylbenzene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methyl acetate	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methylcyclohexane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Methylene Chloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Styrene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Tetrachloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Toluene	**880**		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Trichloroethene	**18000**		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Vinyl chloride	ND		460		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4
Xylenes, Total	ND		930		ug/Kg	☼	11/11/20 10:52	11/12/20 02:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (28.7)
Date Collected: 11/05/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-2
Matrix: Solid
Percent Solids: 89.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	11/11/20 10:52	11/12/20 02:06	4
4-Bromofluorobenzene (Surr)	113		49 - 148	11/11/20 10:52	11/12/20 02:06	4
Dibromofluoromethane (Surr)	105		60 - 140	11/11/20 10:52	11/12/20 02:06	4
Toluene-d8 (Surr)	106		50 - 149	11/11/20 10:52	11/12/20 02:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (33)
Date Collected: 11/05/20 10:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-3
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,1,2,2-Tetrachloroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,1,2-Trichloroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,1-Dichloroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,1-Dichloroethene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2,4-Trichlorobenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2-Dibromoethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2-Dichlorobenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2-Dichloroethane	**320**		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,2-Dichloropropane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,3-Dichlorobenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
1,4-Dichlorobenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methyl ethyl ketone (MEK)	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
2-Hexanone	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methyl isobutyl ketone (MIBK)	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Acetone	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Benzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Bromodichloromethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Bromoform	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Bromomethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Carbon disulfide	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Carbon tetrachloride	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Chlorobenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Chloroethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Chloroform	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Chloromethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
cis-1,2-Dichloroethene	**2300**		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
cis-1,3-Dichloropropene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Cyclohexane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Dibromochloromethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Dichlorodifluoromethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Ethylbenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Isopropylbenzene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methyl acetate	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methyl tert-butyl ether	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methylcyclohexane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Methylene Chloride	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Styrene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Tetrachloroethene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Toluene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
trans-1,2-Dichloroethene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
trans-1,3-Dichloropropene	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Trichloroethene	**9000**		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Trichlorofluoromethane	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Vinyl chloride	ND		250		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2
Xylenes, Total	ND		490		ug/Kg	☼	11/11/20 10:52	11/12/20 02:29	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (33)
Date Collected: 11/05/20 10:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-3
Matrix: Solid
Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/11/20 10:52	11/12/20 02:29	2
4-Bromofluorobenzene (Surr)	109		49 - 148	11/11/20 10:52	11/12/20 02:29	2
Dibromofluoromethane (Surr)	104		60 - 140	11/11/20 10:52	11/12/20 02:29	2
Toluene-d8 (Surr)	102		50 - 149	11/11/20 10:52	11/12/20 02:29	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-36 (32.8)
Date Collected: 11/05/20 11:50
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-4
Matrix: Solid
Percent Solids: 87.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,1,2,2-Tetrachloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,1,2-Trichloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,1-Dichloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,1-Dichloroethene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2,4-Trichlorobenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2-Dibromo-3-Chloropropane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2-Dibromoethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2-Dichlorobenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2-Dichloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,2-Dichloropropane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,3-Dichlorobenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
1,4-Dichlorobenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methyl ethyl ketone (MEK)	ND		1100		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
2-Hexanone	ND		1100		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methyl isobutyl ketone (MIBK)	ND		1100		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Acetone	ND		1100		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Benzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Bromodichloromethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Bromoform	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Bromomethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Carbon disulfide	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Carbon tetrachloride	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Chlorobenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Chloroethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Chloroform	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Chloromethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
cis-1,2-Dichloroethene	**510**		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
cis-1,3-Dichloropropene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Cyclohexane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Dibromochloromethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Dichlorodifluoromethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Ethylbenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Isopropylbenzene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methyl acetate	ND		1100		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methyl tert-butyl ether	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methylcyclohexane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Methylene Chloride	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Styrene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Tetrachloroethene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Toluene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
trans-1,2-Dichloroethene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
trans-1,3-Dichloropropene	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Trichloroethene	**10000**		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Trichlorofluoromethane	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Vinyl chloride	ND		220		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2
Xylenes, Total	ND		450		ug/Kg	☼	11/11/20 10:52	11/12/20 02:52	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-36 (32.8)
Date Collected: 11/05/20 11:50
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-4
Matrix: Solid
Percent Solids: 87.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	11/11/20 10:52	11/12/20 02:52	2
4-Bromofluorobenzene (Surr)	109		49 - 148	11/11/20 10:52	11/12/20 02:52	2
Dibromofluoromethane (Surr)	106		60 - 140	11/11/20 10:52	11/12/20 02:52	2
Toluene-d8 (Surr)	104		50 - 149	11/11/20 10:52	11/12/20 02:52	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (26.9)
Date Collected: 11/05/20 13:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-5
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methyl ethyl ketone (MEK)	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
2-Hexanone	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methyl isobutyl ketone (MIBK)	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Acetone	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Benzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Bromodichloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Bromoform	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Bromomethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Carbon disulfide	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Chlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Chloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Chloroform	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Chloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Cyclohexane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Dibromochloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Ethylbenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Isopropylbenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methyl acetate	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methylcyclohexane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Methylene Chloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Styrene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Tetrachloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Toluene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Trichloroethene	**80000**		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Vinyl chloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20
Xylenes, Total	ND		4500		ug/Kg	☼	11/11/20 10:52	11/12/20 03:15	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (26.9)
Date Collected: 11/05/20 13:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-5
Matrix: Solid
Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/11/20 10:52	11/12/20 03:15	20
4-Bromofluorobenzene (Surr)	111		49 - 148	11/11/20 10:52	11/12/20 03:15	20
Dibromofluoromethane (Surr)	110		60 - 140	11/11/20 10:52	11/12/20 03:15	20
Toluene-d8 (Surr)	103		50 - 149	11/11/20 10:52	11/12/20 03:15	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (28.3)
Date Collected: 11/05/20 13:45
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-6
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,1,2,2-Tetrachloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,1,2-Trichloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,1-Dichloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,1-Dichloroethene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2,4-Trichlorobenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2-Dibromo-3-Chloropropane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2-Dibromoethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2-Dichlorobenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2-Dichloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,2-Dichloropropane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,3-Dichlorobenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
1,4-Dichlorobenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methyl ethyl ketone (MEK)	ND		28000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
2-Hexanone	ND		28000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methyl isobutyl ketone (MIBK)	ND		28000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Acetone	ND		28000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Benzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Bromodichloromethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Bromoform	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Bromomethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Carbon disulfide	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Carbon tetrachloride	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Chlorobenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Chloroethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Chloroform	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Chloromethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
cis-1,2-Dichloroethene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
cis-1,3-Dichloropropene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Cyclohexane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Dibromochloromethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Dichlorodifluoromethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Ethylbenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Isopropylbenzene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methyl acetate	ND		28000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methyl tert-butyl ether	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methylcyclohexane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Methylene Chloride	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Styrene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Tetrachloroethene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Toluene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
trans-1,2-Dichloroethene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
trans-1,3-Dichloropropene	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Trichloroethene	**130000**		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Trichlorofluoromethane	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Vinyl chloride	ND		5600		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50
Xylenes, Total	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 03:38	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (28.3)
Date Collected: 11/05/20 13:45
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-6
Matrix: Solid
Percent Solids: 89.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/11/20 10:52	11/12/20 03:38	50
4-Bromofluorobenzene (Surr)	111		49 - 148	11/11/20 10:52	11/12/20 03:38	50
Dibromofluoromethane (Surr)	109		60 - 140	11/11/20 10:52	11/12/20 03:38	50
Toluene-d8 (Surr)	104		50 - 149	11/11/20 10:52	11/12/20 03:38	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (31.7)
Date Collected: 11/05/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-7
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methyl ethyl ketone (MEK)	ND		6300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
2-Hexanone	ND		6300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methyl isobutyl ketone (MIBK)	ND		6300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Acetone	ND		6300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Benzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Bromodichloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Bromoform	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Bromomethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Carbon disulfide	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Chlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Chloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Chloroform	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Chloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Cyclohexane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Dibromochloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Ethylbenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Isopropylbenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methyl acetate	ND		6300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methylcyclohexane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Methylene Chloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Styrene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Tetrachloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Toluene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Trichloroethene	**46000**		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Vinyl chloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10
Xylenes, Total	ND		2500		ug/Kg	☼	11/11/20 10:52	11/12/20 04:01	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (31.7)
Date Collected: 11/05/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-7
Matrix: Solid
Percent Solids: 84.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/11/20 10:52	11/12/20 04:01	10
4-Bromofluorobenzene (Surr)	110		49 - 148	11/11/20 10:52	11/12/20 04:01	10
Dibromofluoromethane (Surr)	108		60 - 140	11/11/20 10:52	11/12/20 04:01	10
Toluene-d8 (Surr)	103		50 - 149	11/11/20 10:52	11/12/20 04:01	10

Client Sample ID: D-37 (32.3)

Date Collected: 11/05/20 14:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-8

Matrix: Solid
Percent Solids: 82.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methyl ethyl ketone (MEK)	ND		6400		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
2-Hexanone	ND		6400		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methyl isobutyl ketone (MIBK)	ND		6400		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Acetone	ND		6400		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Benzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Bromodichloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Bromoform	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Bromomethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Carbon disulfide	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Chlorobenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Chloroethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Chloroform	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Chloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Cyclohexane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Dibromochloromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Ethylbenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Isopropylbenzene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methyl acetate	ND		6400		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methylcyclohexane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Methylene Chloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Styrene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Tetrachloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Toluene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Trichloroethene	**38000**		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Vinyl chloride	ND		1300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10
Xylenes, Total	ND		2600		ug/Kg	☼	11/11/20 10:52	11/12/20 04:24	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (32.3)
Date Collected: 11/05/20 14:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-8
Matrix: Solid
Percent Solids: 82.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	11/11/20 10:52	11/12/20 04:24	10
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 10:52	11/12/20 04:24	10
Dibromofluoromethane (Surr)	104		60 - 140	11/11/20 10:52	11/12/20 04:24	10
Toluene-d8 (Surr)	103		50 - 149	11/11/20 10:52	11/12/20 04:24	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (33.7)
Date Collected: 11/05/20 14:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-9
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methyl ethyl ketone (MEK)	ND		6100		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
2-Hexanone	ND		6100		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methyl isobutyl ketone (MIBK)	ND		6100		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Acetone	ND		6100		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Benzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Bromodichloromethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Bromoform	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Bromomethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Carbon disulfide	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Chlorobenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Chloroethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Chloroform	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Chloromethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Cyclohexane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Dibromochloromethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Ethylbenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Isopropylbenzene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methyl acetate	ND		6100		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methylcyclohexane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Methylene Chloride	ND	F2 F1	1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Styrene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Tetrachloroethene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Toluene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Trichloroethene	**37000**		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Vinyl chloride	ND		1200		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10
Xylenes, Total	ND		2400		ug/Kg	☼	11/11/20 10:52	11/12/20 22:28	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (33.7)
Date Collected: 11/05/20 14:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-9
Matrix: Solid
Percent Solids: 86.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	11/11/20 10:52	11/12/20 22:28	10
4-Bromofluorobenzene (Surr)	110		49 - 148	11/11/20 10:52	11/12/20 22:28	10
Dibromofluoromethane (Surr)	111		60 - 140	11/11/20 10:52	11/12/20 22:28	10
Toluene-d8 (Surr)	104		50 - 149	11/11/20 10:52	11/12/20 22:28	10

Client Sample ID: DUP-06_20201105
Date Collected: 11/05/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-10
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methyl ethyl ketone (MEK)	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
2-Hexanone	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methyl isobutyl ketone (MIBK)	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Acetone	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Benzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Bromodichloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Bromoform	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Bromomethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Carbon disulfide	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Chlorobenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Chloroethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Chloroform	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Chloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Cyclohexane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Dibromochloromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Ethylbenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Isopropylbenzene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methyl acetate	ND		11000		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methylcyclohexane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Methylene Chloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Styrene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Tetrachloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Toluene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Trichloroethene	**53000**		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Vinyl chloride	ND		2300		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20
Xylenes, Total	ND		4500		ug/Kg	☼	11/11/20 10:52	11/12/20 04:47	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: DUP-06_20201105
Date Collected: 11/05/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-10
Matrix: Solid
Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	11/11/20 10:52	11/12/20 04:47	20
4-Bromofluorobenzene (Surr)	107		49 - 148	11/11/20 10:52	11/12/20 04:47	20
Dibromofluoromethane (Surr)	112		60 - 140	11/11/20 10:52	11/12/20 04:47	20
Toluene-d8 (Surr)	102		50 - 149	11/11/20 10:52	11/12/20 04:47	20

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (1.9-2.1)

Date Collected: 11/06/20 08:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-11

Matrix: Solid

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	4.1		0.5		%			11/19/20 21:23	1
Ash Content	95.9		0.5		%			11/19/20 21:23	1
Moisture Content	17.9		0.5		%			11/19/20 21:23	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (27.2)
Date Collected: 11/06/20 09:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-12
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,1,2,2-Tetrachloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,1,2-Trichloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,1-Dichloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,1-Dichloroethene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2,4-Trichlorobenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2-Dibromo-3-Chloropropane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2-Dibromoethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2-Dichlorobenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2-Dichloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,2-Dichloropropane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,3-Dichlorobenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
1,4-Dichlorobenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methyl ethyl ketone (MEK)	ND		230000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
2-Hexanone	ND		230000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methyl isobutyl ketone (MIBK)	ND		230000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Acetone	ND		230000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Benzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Bromodichloromethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Bromoform	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Bromomethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Carbon disulfide	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Carbon tetrachloride	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Chlorobenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Chloroethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Chloroform	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Chloromethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
cis-1,2-Dichloroethene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
cis-1,3-Dichloropropene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Cyclohexane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Dibromochloromethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Dichlorodifluoromethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Ethylbenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Isopropylbenzene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methyl acetate	ND		230000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methyl tert-butyl ether	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methylcyclohexane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Methylene Chloride	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Styrene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Tetrachloroethene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Toluene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
trans-1,2-Dichloroethene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
trans-1,3-Dichloropropene	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Trichloroethene	**2000000**		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Trichlorofluoromethane	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Vinyl chloride	ND		45000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400
Xylenes, Total	ND		90000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:10	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (27.2)
Date Collected: 11/06/20 09:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-12
Matrix: Solid
Percent Solids: 90.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	11/11/20 10:52	11/12/20 05:10	400
4-Bromofluorobenzene (Surr)	111		49 - 148	11/11/20 10:52	11/12/20 05:10	400
Dibromofluoromethane (Surr)	111		60 - 140	11/11/20 10:52	11/12/20 05:10	400
Toluene-d8 (Surr)	105		50 - 149	11/11/20 10:52	11/12/20 05:10	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (28.5)
Date Collected: 11/06/20 09:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-13
Matrix: Solid
Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,1,2,2-Tetrachloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,1,2-Trichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,1-Dichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,1-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2,4-Trichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2-Dibromo-3-Chloropropane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2-Dibromoethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2-Dichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,2-Dichloropropane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,3-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
1,4-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methyl ethyl ketone (MEK)	ND		250000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
2-Hexanone	ND		250000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methyl isobutyl ketone (MIBK)	ND		250000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Acetone	ND		250000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Benzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Bromodichloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Bromoform	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Bromomethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Carbon disulfide	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Carbon tetrachloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Chlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Chloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Chloroform	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Chloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
cis-1,2-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
cis-1,3-Dichloropropene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Cyclohexane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Dibromochloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Dichlorodifluoromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Ethylbenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Isopropylbenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methyl acetate	ND		250000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methyl tert-butyl ether	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methylcyclohexane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Methylene Chloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Styrene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Tetrachloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Toluene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
trans-1,2-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
trans-1,3-Dichloropropene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Trichloroethene	**1300000**		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Trichlorofluoromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Vinyl chloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400
Xylenes, Total	ND		99000		ug/Kg	☼	11/11/20 10:52	11/12/20 05:33	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (28.5)
Date Collected: 11/06/20 09:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-13
Matrix: Solid
Percent Solids: 85.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	11/11/20 10:52	11/12/20 05:33	400
4-Bromofluorobenzene (Surr)	116		49 - 148	11/11/20 10:52	11/12/20 05:33	400
Dibromofluoromethane (Surr)	110		60 - 140	11/11/20 10:52	11/12/20 05:33	400
Toluene-d8 (Surr)	105		50 - 149	11/11/20 10:52	11/12/20 05:33	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (29)
Date Collected: 11/06/20 09:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-14
Matrix: Solid
Percent Solids: 83.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,1,2,2-Tetrachloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,1,2-Trichloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,1-Dichloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,1-Dichloroethene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2,4-Trichlorobenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2-Dibromo-3-Chloropropane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2-Dibromoethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2-Dichlorobenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2-Dichloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,2-Dichloropropane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,3-Dichlorobenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
1,4-Dichlorobenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methyl ethyl ketone (MEK)	ND		130000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
2-Hexanone	ND		130000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methyl isobutyl ketone (MIBK)	ND		130000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Acetone	ND		130000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Benzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Bromodichloromethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Bromoform	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Bromomethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Carbon disulfide	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Carbon tetrachloride	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Chlorobenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Chloroethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Chloroform	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Chloromethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
cis-1,2-Dichloroethene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
cis-1,3-Dichloropropene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Cyclohexane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Dibromochloromethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Dichlorodifluoromethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Ethylbenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Isopropylbenzene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methyl acetate	ND		130000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methyl tert-butyl ether	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methylcyclohexane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Methylene Chloride	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Styrene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Tetrachloroethene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Toluene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
trans-1,2-Dichloroethene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
trans-1,3-Dichloropropene	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Trichloroethene	**1200000**		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Trichlorofluoromethane	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Vinyl chloride	ND		26000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200
Xylenes, Total	ND		52000		ug/Kg	☼	11/11/20 10:52	11/12/20 22:51	200

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (29)
Date Collected: 11/06/20 09:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-14
Matrix: Solid
Percent Solids: 83.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	11/11/20 10:52	11/12/20 22:51	200
4-Bromofluorobenzene (Surr)	108		49 - 148	11/11/20 10:52	11/12/20 22:51	200
Dibromofluoromethane (Surr)	113		60 - 140	11/11/20 10:52	11/12/20 22:51	200
Toluene-d8 (Surr)	101		50 - 149	11/11/20 10:52	11/12/20 22:51	200

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (30)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-15
Matrix: Solid
Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,1,2,2-Tetrachloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,1,2-Trichloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,1-Dichloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,1-Dichloroethene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2,4-Trichlorobenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2-Dibromo-3-Chloropropane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2-Dibromoethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2-Dichlorobenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2-Dichloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,2-Dichloropropane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,3-Dichlorobenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
1,4-Dichlorobenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methyl ethyl ketone (MEK)	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
2-Hexanone	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methyl isobutyl ketone (MIBK)	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Acetone	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Benzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Bromodichloromethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Bromoform	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Bromomethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Carbon disulfide	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Carbon tetrachloride	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Chlorobenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Chloroethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Chloroform	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Chloromethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
cis-1,2-Dichloroethene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
cis-1,3-Dichloropropene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Cyclohexane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Dibromochloromethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Dichlorodifluoromethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Ethylbenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Isopropylbenzene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methyl acetate	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methyl tert-butyl ether	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methylcyclohexane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Methylene Chloride	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Styrene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Tetrachloroethene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Toluene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
trans-1,2-Dichloroethene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
trans-1,3-Dichloropropene	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Trichloroethene	**4100000**		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Trichlorofluoromethane	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Vinyl chloride	ND		47000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400
Xylenes, Total	ND		95000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:14	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (30)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-15
Matrix: Solid
Percent Solids: 86.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	11/11/20 10:52	11/12/20 23:14	400
4-Bromofluorobenzene (Surr)	106		49 - 148	11/11/20 10:52	11/12/20 23:14	400
Dibromofluoromethane (Surr)	109		60 - 140	11/11/20 10:52	11/12/20 23:14	400
Toluene-d8 (Surr)	102		50 - 149	11/11/20 10:52	11/12/20 23:14	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (29.5)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-16
Matrix: Solid
Percent Solids: 83.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,1,2,2-Tetrachloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,1,2-Trichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,1-Dichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,1-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2,4-Trichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2-Dibromo-3-Chloropropane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2-Dibromoethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2-Dichloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,2-Dichloropropane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,3-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
1,4-Dichlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methyl ethyl ketone (MEK)	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
2-Hexanone	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methyl isobutyl ketone (MIBK)	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Acetone	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Benzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Bromodichloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Bromoform	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Bromomethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Carbon disulfide	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Carbon tetrachloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Chlorobenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Chloroethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Chloroform	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Chloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
cis-1,2-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
cis-1,3-Dichloropropene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Cyclohexane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Dibromochloromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Dichlorodifluoromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Ethylbenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Isopropylbenzene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methyl acetate	ND		240000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methyl tert-butyl ether	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methylcyclohexane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Methylene Chloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Styrene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Tetrachloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Toluene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
trans-1,2-Dichloroethene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
trans-1,3-Dichloropropene	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Trichloroethene	**3700000**		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Trichlorofluoromethane	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Vinyl chloride	ND		49000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400
Xylenes, Total	ND		98000		ug/Kg	☼	11/11/20 10:52	11/12/20 23:37	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (29.5)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-16
Matrix: Solid
Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	11/11/20 10:52	11/12/20 23:37	400
4-Bromofluorobenzene (Surr)	104		49 - 148	11/11/20 10:52	11/12/20 23:37	400
Dibromofluoromethane (Surr)	110		60 - 140	11/11/20 10:52	11/12/20 23:37	400
Toluene-d8 (Surr)	103		50 - 149	11/11/20 10:52	11/12/20 23:37	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (31-31.5)
Date Collected: 11/06/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-17
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,1,2,2-Tetrachloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,1,2-Trichloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,1-Dichloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,1-Dichloroethene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2,4-Trichlorobenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2-Dibromo-3-Chloropropane	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2-Dibromoethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2-Dichlorobenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2-Dichloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,2-Dichloropropane	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,3-Dichlorobenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
1,4-Dichlorobenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methyl ethyl ketone (MEK)	ND		16000		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
2-Hexanone	ND		16000		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methyl isobutyl ketone (MIBK)	ND		16000		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Acetone	ND	F1	16000		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Benzene	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Bromodichloromethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Bromoform	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Bromomethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Carbon disulfide	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Carbon tetrachloride	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Chlorobenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Chloroethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Chloroform	ND	F1 F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Chloromethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
cis-1,2-Dichloroethene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
cis-1,3-Dichloropropene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Cyclohexane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Dibromochloromethane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Dichlorodifluoromethane	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Ethylbenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Isopropylbenzene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methyl acetate	ND	F2	16000		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methyl tert-butyl ether	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methylcyclohexane	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Methylene Chloride	ND	F1	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Styrene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Tetrachloroethene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Toluene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
trans-1,2-Dichloroethene	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
trans-1,3-Dichloropropene	ND		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Trichloroethene	**160000**		3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Trichlorofluoromethane	ND	F1	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Vinyl chloride	ND	F2	3300		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25
Xylenes, Total	ND	F1	6500		ug/Kg	☼	11/11/20 19:48	11/14/20 00:45	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (31-31.5)
Date Collected: 11/06/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-17
Matrix: Solid
Percent Solids: 82.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	11/11/20 19:48	11/14/20 00:45	25
4-Bromofluorobenzene (Surr)	111		49 - 148	11/11/20 19:48	11/14/20 00:45	25
Dibromofluoromethane (Surr)	109		60 - 140	11/11/20 19:48	11/14/20 00:45	25
Toluene-d8 (Surr)	100		50 - 149	11/11/20 19:48	11/14/20 00:45	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (33.5)
Date Collected: 11/06/20 10:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-18
Matrix: Solid
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,1,2,2-Tetrachloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,1,2-Trichloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,1-Dichloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,1-Dichloroethene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2,4-Trichlorobenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2-Dibromo-3-Chloropropane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2-Dibromoethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2-Dichlorobenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2-Dichloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,2-Dichloropropane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,3-Dichlorobenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
1,4-Dichlorobenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methyl ethyl ketone (MEK)	ND		25000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
2-Hexanone	ND		25000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methyl isobutyl ketone (MIBK)	ND		25000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Acetone	ND		25000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Benzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Bromodichloromethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Bromoform	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Bromomethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Carbon disulfide	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Carbon tetrachloride	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Chlorobenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Chloroethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Chloroform	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Chloromethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
cis-1,2-Dichloroethene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
cis-1,3-Dichloropropene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Cyclohexane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Dibromochloromethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Dichlorodifluoromethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Ethylbenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Isopropylbenzene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methyl acetate	ND		25000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methyl tert-butyl ether	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methylcyclohexane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Methylene Chloride	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Styrene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Tetrachloroethene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Toluene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
trans-1,2-Dichloroethene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
trans-1,3-Dichloropropene	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Trichloroethene	**190000**		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Trichlorofluoromethane	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Vinyl chloride	ND		4900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40
Xylenes, Total	ND		9900		ug/Kg	☼	11/11/20 10:52	11/13/20 00:00	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (33.5)
Date Collected: 11/06/20 10:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-18
Matrix: Solid
Percent Solids: 82.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	11/11/20 10:52	11/13/20 00:00	40
4-Bromofluorobenzene (Surr)	105		49 - 148	11/11/20 10:52	11/13/20 00:00	40
Dibromofluoromethane (Surr)	113		60 - 140	11/11/20 10:52	11/13/20 00:00	40
Toluene-d8 (Surr)	103		50 - 149	11/11/20 10:52	11/13/20 00:00	40

Client Sample ID: DUP-07_20201106
Date Collected: 11/06/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-19
Matrix: Solid
Percent Solids: 85.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,1,2,2-Tetrachloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,1,2-Trichloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,1-Dichloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,1-Dichloroethene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2,4-Trichlorobenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2-Dibromo-3-Chloropropane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2-Dibromoethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2-Dichlorobenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2-Dichloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,2-Dichloropropane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,3-Dichlorobenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
1,4-Dichlorobenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methyl ethyl ketone (MEK)	ND		30000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
2-Hexanone	ND		30000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methyl isobutyl ketone (MIBK)	ND		30000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Acetone	ND		30000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Benzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Bromodichloromethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Bromoform	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Bromomethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Carbon disulfide	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Carbon tetrachloride	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Chlorobenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Chloroethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Chloroform	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Chloromethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
cis-1,2-Dichloroethene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
cis-1,3-Dichloropropene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Cyclohexane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Dibromochloromethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Dichlorodifluoromethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Ethylbenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Isopropylbenzene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methyl acetate	ND		30000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methyl tert-butyl ether	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methylcyclohexane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Methylene Chloride	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Styrene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Tetrachloroethene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Toluene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
trans-1,2-Dichloroethene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
trans-1,3-Dichloropropene	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Trichloroethene	**220000**		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Trichlorofluoromethane	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Vinyl chloride	ND		6100		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50
Xylenes, Total	ND		12000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:23	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: DUP-07_20201106
Date Collected: 11/06/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-19
Matrix: Solid
Percent Solids: 85.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		53 - 146	11/11/20 10:52	11/13/20 00:23	50
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 10:52	11/13/20 00:23	50
Dibromofluoromethane (Surr)	107		60 - 140	11/11/20 10:52	11/13/20 00:23	50
Toluene-d8 (Surr)	107		50 - 149	11/11/20 10:52	11/13/20 00:23	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (1.9-2.4)
Date Collected: 11/06/20 12:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-20
Matrix: Solid

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	5.6		0.5		%			11/19/20 21:23	1
Ash Content	94.4		0.5		%			11/19/20 21:23	1
Moisture Content	20.9		0.5		%			11/19/20 21:23	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22)
Date Collected: 11/06/20 11:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-21
Matrix: Solid
Percent Solids: 92.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,1,2,2-Tetrachloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,1,2-Trichloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,1-Dichloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,1-Dichloroethene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2,4-Trichlorobenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2-Dibromo-3-Chloropropane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2-Dibromoethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2-Dichlorobenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2-Dichloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,2-Dichloropropane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,3-Dichlorobenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
1,4-Dichlorobenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methyl ethyl ketone (MEK)	ND		140000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
2-Hexanone	ND		140000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methyl isobutyl ketone (MIBK)	ND		140000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Acetone	ND		140000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Benzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Bromodichloromethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Bromoform	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Bromomethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Carbon disulfide	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Carbon tetrachloride	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Chlorobenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Chloroethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Chloroform	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Chloromethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
cis-1,2-Dichloroethene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
cis-1,3-Dichloropropene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Cyclohexane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Dibromochloromethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Dichlorodifluoromethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Ethylbenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Isopropylbenzene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methyl acetate	ND		140000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methyl tert-butyl ether	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methylcyclohexane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Methylene Chloride	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Styrene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Tetrachloroethene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Toluene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
trans-1,2-Dichloroethene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
trans-1,3-Dichloropropene	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Trichloroethene	**1900000**		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Trichlorofluoromethane	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Vinyl chloride	ND		28000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250
Xylenes, Total	ND		56000		ug/Kg	☼	11/11/20 10:52	11/13/20 00:46	250

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22)
Date Collected: 11/06/20 11:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-21
Matrix: Solid
Percent Solids: 92.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		53 - 146	11/11/20 10:52	11/13/20 00:46	250
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 10:52	11/13/20 00:46	250
Dibromofluoromethane (Surr)	115		60 - 140	11/11/20 10:52	11/13/20 00:46	250
Toluene-d8 (Surr)	104		50 - 149	11/11/20 10:52	11/13/20 00:46	250

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22.3)
Date Collected: 11/06/20 11:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-22
Matrix: Solid
Percent Solids: 92.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,1,2,2-Tetrachloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,1,2-Trichloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,1-Dichloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,1-Dichloroethene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2,4-Trichlorobenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2-Dibromo-3-Chloropropane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2-Dibromoethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2-Dichlorobenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2-Dichloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,2-Dichloropropane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,3-Dichlorobenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
1,4-Dichlorobenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methyl ethyl ketone (MEK)	ND		100000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
2-Hexanone	ND		100000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methyl isobutyl ketone (MIBK)	ND		100000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Acetone	ND		100000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Benzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Bromodichloromethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Bromoform	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Bromomethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Carbon disulfide	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Carbon tetrachloride	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Chlorobenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Chloroethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Chloroform	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Chloromethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
cis-1,2-Dichloroethene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
cis-1,3-Dichloropropene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Cyclohexane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Dibromochloromethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Dichlorodifluoromethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Ethylbenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Isopropylbenzene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methyl acetate	ND		100000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methyl tert-butyl ether	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methylcyclohexane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Methylene Chloride	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Styrene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Tetrachloroethene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Toluene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
trans-1,2-Dichloroethene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
trans-1,3-Dichloropropene	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Trichloroethene	**880000**		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Trichlorofluoromethane	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Vinyl chloride	ND		21000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200
Xylenes, Total	ND		42000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:09	200

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22.3)
Date Collected: 11/06/20 11:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-22
Matrix: Solid
Percent Solids: 92.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	11/11/20 10:52	11/13/20 01:09	200
4-Bromofluorobenzene (Surr)	109		49 - 148	11/11/20 10:52	11/13/20 01:09	200
Dibromofluoromethane (Surr)	115		60 - 140	11/11/20 10:52	11/13/20 01:09	200
Toluene-d8 (Surr)	101		50 - 149	11/11/20 10:52	11/13/20 01:09	200

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22.5)
Date Collected: 11/06/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-23
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,1-Dichloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,1-Dichloroethene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2-Dibromoethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2-Dichloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,2-Dichloropropane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methyl ethyl ketone (MEK)	ND		5100		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
2-Hexanone	ND		5100		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methyl isobutyl ketone (MIBK)	ND		5100		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Acetone	ND		5100		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Benzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Bromodichloromethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Bromoform	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Bromomethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Carbon disulfide	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Carbon tetrachloride	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Chlorobenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Chloroethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Chloroform	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Chloromethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Cyclohexane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Dibromochloromethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Ethylbenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Isopropylbenzene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methyl acetate	ND		5100		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methylcyclohexane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Methylene Chloride	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Styrene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Tetrachloroethene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Toluene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
trans-1,3-Dichloropropene	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Trichloroethene	**83000**		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Trichlorofluoromethane	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Vinyl chloride	ND		1000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10
Xylenes, Total	ND		2000		ug/Kg	☼	11/11/20 10:52	11/13/20 01:32	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22.5)
Date Collected: 11/06/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-23
Matrix: Solid
Percent Solids: 92.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		53 - 146	11/11/20 10:52	11/13/20 01:32	10
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 10:52	11/13/20 01:32	10
Dibromofluoromethane (Surr)	111		60 - 140	11/11/20 10:52	11/13/20 01:32	10
Toluene-d8 (Surr)	106		50 - 149	11/11/20 10:52	11/13/20 01:32	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (28.2)
Date Collected: 11/06/20 12:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-24
Matrix: Solid
Percent Solids: 86.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,1,2,2-Tetrachloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,1,2-Trichloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,1-Dichloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,1-Dichloroethene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2,4-Trichlorobenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2-Dibromo-3-Chloropropane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2-Dibromoethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2-Dichlorobenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2-Dichloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,2-Dichloropropane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,3-Dichlorobenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
1,4-Dichlorobenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methyl ethyl ketone (MEK)	ND		300000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
2-Hexanone	ND		300000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methyl isobutyl ketone (MIBK)	ND		300000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Acetone	ND		300000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Benzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Bromodichloromethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Bromoform	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Bromomethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Carbon disulfide	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Carbon tetrachloride	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Chlorobenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Chloroethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Chloroform	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Chloromethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
cis-1,2-Dichloroethene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
cis-1,3-Dichloropropene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Cyclohexane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Dibromochloromethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Dichlorodifluoromethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Ethylbenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Isopropylbenzene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methyl acetate	ND		300000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methyl tert-butyl ether	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methylcyclohexane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Methylene Chloride	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Styrene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Tetrachloroethene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Toluene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
trans-1,2-Dichloroethene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
trans-1,3-Dichloropropene	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Trichloroethene	**2700000**		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Trichlorofluoromethane	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Vinyl chloride	ND		60000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500
Xylenes, Total	ND		120000		ug/Kg	☼	11/11/20 19:48	11/14/20 19:56	500

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (28.2)
Date Collected: 11/06/20 12:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-24
Matrix: Solid
Percent Solids: 86.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		53 - 146	11/11/20 19:48	11/14/20 19:56	500
4-Bromofluorobenzene (Surr)	119		49 - 148	11/11/20 19:48	11/14/20 19:56	500
Dibromofluoromethane (Surr)	121		60 - 140	11/11/20 19:48	11/14/20 19:56	500
Toluene-d8 (Surr)	108		50 - 149	11/11/20 19:48	11/14/20 19:56	500

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (29.6)
Date Collected: 11/06/20 12:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-25
Matrix: Solid
Percent Solids: 76.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,1,2,2-Tetrachloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,1,2-Trichloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,1-Dichloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,1-Dichloroethene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2,4-Trichlorobenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2-Dibromo-3-Chloropropane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2-Dibromoethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2-Dichlorobenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2-Dichloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,2-Dichloropropane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,3-Dichlorobenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
1,4-Dichlorobenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methyl ethyl ketone (MEK)	ND		2800000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
2-Hexanone	ND		2800000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methyl isobutyl ketone (MIBK)	ND		2800000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Acetone	ND		2800000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Benzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Bromodichloromethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Bromoform	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Bromomethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Carbon disulfide	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Carbon tetrachloride	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Chlorobenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Chloroethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Chloroform	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Chloromethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
cis-1,2-Dichloroethene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
cis-1,3-Dichloropropene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Cyclohexane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Dibromochloromethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Dichlorodifluoromethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Ethylbenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Isopropylbenzene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methyl acetate	ND		2800000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methyl tert-butyl ether	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methylcyclohexane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Methylene Chloride	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Styrene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Tetrachloroethene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Toluene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
trans-1,2-Dichloroethene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
trans-1,3-Dichloropropene	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Trichloroethene	**24000000**		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Trichlorofluoromethane	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Vinyl chloride	ND		570000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000
Xylenes, Total	ND		1100000		ug/Kg	☼	11/11/20 19:48	11/14/20 01:31	4000

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (29.6)
Date Collected: 11/06/20 12:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-25
Matrix: Solid
Percent Solids: 76.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		53 - 146	11/11/20 19:48	11/14/20 01:31	4000
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 19:48	11/14/20 01:31	4000
Dibromofluoromethane (Surr)	116		60 - 140	11/11/20 19:48	11/14/20 01:31	4000
Toluene-d8 (Surr)	105		50 - 149	11/11/20 19:48	11/14/20 01:31	4000

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (31.2)
Date Collected: 11/06/20 12:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-26
Matrix: Solid
Percent Solids: 82.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methyl ethyl ketone (MEK)	ND		6500		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
2-Hexanone	ND		6500		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methyl isobutyl ketone (MIBK)	ND		6500		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Acetone	ND		6500		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Benzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Bromodichloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Bromoform	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Bromomethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Carbon disulfide	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Chlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Chloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Chloroform	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Chloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Cyclohexane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Dibromochloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Ethylbenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Isopropylbenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methyl acetate	ND		6500		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methylcyclohexane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Methylene Chloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Styrene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Tetrachloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Toluene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Trichloroethene	**72000**		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Vinyl chloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10
Xylenes, Total	ND		2600		ug/Kg	☼	11/11/20 19:48	11/14/20 01:54	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (31.2)
Date Collected: 11/06/20 12:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-26
Matrix: Solid
Percent Solids: 82.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		53 - 146	11/11/20 19:48	11/14/20 01:54	10
4-Bromofluorobenzene (Surr)	111		49 - 148	11/11/20 19:48	11/14/20 01:54	10
Dibromofluoromethane (Surr)	118		60 - 140	11/11/20 19:48	11/14/20 01:54	10
Toluene-d8 (Surr)	106		50 - 149	11/11/20 19:48	11/14/20 01:54	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-40 (21.5)
Date Collected: 11/06/20 13:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-27
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methyl ethyl ketone (MEK)	ND		15000		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
2-Hexanone	ND		15000		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methyl isobutyl ketone (MIBK)	ND		15000		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Acetone	ND		15000		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Benzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Bromodichloromethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Bromoform	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Bromomethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Carbon disulfide	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Chlorobenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Chloroethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Chloroform	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Chloromethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Cyclohexane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Dibromochloromethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Ethylbenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Isopropylbenzene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methyl acetate	ND		15000		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methylcyclohexane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Methylene Chloride	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Styrene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Tetrachloroethene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Toluene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Trichloroethene	**140000**		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Trichlorofluoromethane	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Vinyl chloride	ND		2900		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25
Xylenes, Total	ND		5800		ug/Kg	☼	11/11/20 19:48	11/14/20 02:17	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-40 (21.5)
Date Collected: 11/06/20 13:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-27
Matrix: Solid
Percent Solids: 89.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	11/11/20 19:48	11/14/20 02:17	25
4-Bromofluorobenzene (Surr)	109		49 - 148	11/11/20 19:48	11/14/20 02:17	25
Dibromofluoromethane (Surr)	117		60 - 140	11/11/20 19:48	11/14/20 02:17	25
Toluene-d8 (Surr)	101		50 - 149	11/11/20 19:48	11/14/20 02:17	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-40 (33.3)
Date Collected: 11/06/20 14:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-28
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methyl ethyl ketone (MEK)	ND		6700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
2-Hexanone	ND		6700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methyl isobutyl ketone (MIBK)	ND		6700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Acetone	ND		6700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Benzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Bromodichloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Bromoform	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Bromomethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Carbon disulfide	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Chlorobenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Chloroethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Chloroform	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Chloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Cyclohexane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Dibromochloromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Ethylbenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Isopropylbenzene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methyl acetate	ND		6700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methylcyclohexane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Methylene Chloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Styrene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Tetrachloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Toluene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Trichloroethene	**57000**		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Vinyl chloride	ND		1300		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10
Xylenes, Total	ND		2700		ug/Kg	☼	11/11/20 19:48	11/14/20 02:40	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-40 (33.3)
Date Collected: 11/06/20 14:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-28
Matrix: Solid
Percent Solids: 81.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		53 - 146	11/11/20 19:48	11/14/20 02:40	10
4-Bromofluorobenzene (Surr)	109		49 - 148	11/11/20 19:48	11/14/20 02:40	10
Dibromofluoromethane (Surr)	108		60 - 140	11/11/20 19:48	11/14/20 02:40	10
Toluene-d8 (Surr)	103		50 - 149	11/11/20 19:48	11/14/20 02:40	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (30.5)
Date Collected: 11/06/20 09:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-29
Matrix: Solid
Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,1,2,2-Tetrachloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,1,2-Trichloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,1-Dichloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,1-Dichloroethene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2,4-Trichlorobenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2-Dibromo-3-Chloropropane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2-Dibromoethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2-Dichlorobenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2-Dichloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,2-Dichloropropane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,3-Dichlorobenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
1,4-Dichlorobenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methyl ethyl ketone (MEK)	ND		320000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
2-Hexanone	ND		320000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methyl isobutyl ketone (MIBK)	ND		320000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Acetone	ND		320000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Benzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Bromodichloromethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Bromoform	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Bromomethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Carbon disulfide	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Carbon tetrachloride	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Chlorobenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Chloroethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Chloroform	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Chloromethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
cis-1,2-Dichloroethene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
cis-1,3-Dichloropropene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Cyclohexane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Dibromochloromethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Dichlorodifluoromethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Ethylbenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Isopropylbenzene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methyl acetate	ND		320000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methyl tert-butyl ether	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methylcyclohexane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Methylene Chloride	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Styrene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Tetrachloroethene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Toluene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
trans-1,2-Dichloroethene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
trans-1,3-Dichloropropene	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Trichloroethene	**1700000**		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Trichlorofluoromethane	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Vinyl chloride	ND		64000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500
Xylenes, Total	ND		130000		ug/Kg	☼	11/11/20 19:48	11/14/20 03:03	500

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (30.5)
Date Collected: 11/06/20 09:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-29
Matrix: Solid
Percent Solids: 84.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		53 - 146	11/11/20 19:48	11/14/20 03:03	500
4-Bromofluorobenzene (Surr)	112		49 - 148	11/11/20 19:48	11/14/20 03:03	500
Dibromofluoromethane (Surr)	112		60 - 140	11/11/20 19:48	11/14/20 03:03	500
Toluene-d8 (Surr)	101		50 - 149	11/11/20 19:48	11/14/20 03:03	500

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-177887-1	D-35 (4.3) SLAG	108	107	111	107
480-177887-2	D-35 (28.7)	100	113	105	106
480-177887-3	D-35 (33)	99	109	104	102
480-177887-4	D-36 (32.8)	100	109	106	104
480-177887-5	D-37 (26.9)	99	111	110	103
480-177887-6	D-37 (28.3)	99	111	109	104
480-177887-7	D-37 (31.7)	99	110	108	103
480-177887-8	D-37 (32.3)	94	112	104	103
480-177887-9	D-37 (33.7)	100	110	111	104
480-177887-9 MS	D-37 (33.7)	102	112	110	105
480-177887-9 MSD	D-37 (33.7)	108	114	116	104
480-177887-10	DUP-06_20201105	101	107	112	102
480-177887-12	D-38 (27.2)	100	111	111	105
480-177887-13	D-38 (28.5)	98	116	110	105
480-177887-14	D-38 (29)	103	108	113	101
480-177887-15	D-38 (30)	103	106	109	102
480-177887-16	D-38 (29.5)	101	104	110	103
480-177887-17	D-38 (31-31.5)	107	111	109	100
480-177887-17 MS	D-38 (31-31.5)	107	110	118	99
480-177887-17 MSD	D-38 (31-31.5)	103	107	111	99
480-177887-18	D-38 (33.5)	107	105	113	103
480-177887-19	DUP-07_20201106	109	112	107	107
480-177887-21	D-39 (22)	108	112	115	104
480-177887-22	D-39 (22.3)	103	109	115	101
480-177887-23	D-39 (22.5)	104	112	111	106
480-177887-24	D-39 (28.2)	113	119	121	108
480-177887-25	D-39 (29.6)	103	112	116	105
480-177887-26	D-39 (31.2)	109	111	118	106
480-177887-27	D-40 (21.5)	107	109	117	101
480-177887-28	D-40 (33.3)	102	109	108	103
480-177887-29	D-38 (30.5)	107	112	112	101
LCS 480-558541/1-A	Lab Control Sample	94	110	106	101
LCS 480-558649/1-A	Lab Control Sample	102	112	110	101
MB 480-558541/2-A	Method Blank	113	112	116	104
MB 480-558649/2-A	Method Blank	105	108	113	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-558541/2-A
Matrix: Solid
Analysis Batch: 558565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,1-Dichloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,1-Dichloroethene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2-Dibromoethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2-Dichloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,2-Dichloropropane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
2-Hexanone	ND		500		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Acetone	ND		500		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Benzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Bromodichloromethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Bromoform	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Bromomethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Carbon disulfide	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Carbon tetrachloride	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Chlorobenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Chloroethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Chloroform	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Chloromethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Cyclohexane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Dibromochloromethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Ethylbenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Isopropylbenzene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methyl acetate	ND		500		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methylcyclohexane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Methylene Chloride	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Styrene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Tetrachloroethene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Toluene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Trichloroethene	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Trichlorofluoromethane	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Vinyl chloride	ND		100		ug/Kg		11/11/20 10:52	11/11/20 21:52	1
Xylenes, Total	ND		200		ug/Kg		11/11/20 10:52	11/11/20 21:52	1

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

Lab Sample ID: MB 480-558541/2-A
Matrix: Solid
Analysis Batch: 558565

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558541

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*113*		*53 - 146*	*11/11/20 10:52*	*11/11/20 21:52*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*11/11/20 10:52*	*11/11/20 21:52*	*1*
Dibromofluoromethane (Surr)	*116*		*60 - 140*	*11/11/20 10:52*	*11/11/20 21:52*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*11/11/20 10:52*	*11/11/20 21:52*	*1*

Lab Sample ID: LCS 480-558541/1-A
Matrix: Solid
Analysis Batch: 558681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2670		ug/Kg		107	68 - 130
1,1,2,2-Tetrachloroethane	2500	2450		ug/Kg		98	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2390		ug/Kg		95	10 - 179
1,1,2-Trichloroethane	2500	2620		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2520		ug/Kg		101	78 - 121
1,1-Dichloroethene	2500	2380		ug/Kg		95	48 - 133
1,2,4-Trichlorobenzene	2500	3060		ug/Kg		123	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2420		ug/Kg		97	56 - 122
1,2-Dibromoethane	2500	2650		ug/Kg		106	80 - 120
1,2-Dichlorobenzene	2500	2670		ug/Kg		107	78 - 125
1,2-Dichloroethane	2500	2400		ug/Kg		96	74 - 127
1,2-Dichloropropane	2500	2610		ug/Kg		104	80 - 120
1,3-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2580		ug/Kg		103	80 - 120
Methyl ethyl ketone (MEK)	12500	10700		ug/Kg		85	54 - 149
2-Hexanone	12500	10300		ug/Kg		82	59 - 127
Methyl isobutyl ketone (MIBK)	12500	10400		ug/Kg		83	74 - 120
Acetone	12500	10400		ug/Kg		83	47 - 141
Benzene	2500	2580		ug/Kg		103	77 - 125
Bromodichloromethane	2500	2460		ug/Kg		98	71 - 121
Bromoform	2500	2530		ug/Kg		101	48 - 125
Bromomethane	2500	2440		ug/Kg		98	39 - 149
Carbon disulfide	2500	2380		ug/Kg		95	40 - 136
Carbon tetrachloride	2500	2510		ug/Kg		100	54 - 135
Chlorobenzene	2500	2730		ug/Kg		109	76 - 126
Chloroethane	2500	1800		ug/Kg		72	23 - 150
Chloroform	2500	2510		ug/Kg		100	78 - 120
Chloromethane	2500	1960		ug/Kg		78	61 - 124
cis-1,2-Dichloroethene	2500	2610		ug/Kg		104	79 - 124
cis-1,3-Dichloropropene	2500	2640		ug/Kg		105	75 - 121
Cyclohexane	2500	2510		ug/Kg		100	49 - 129
Dibromochloromethane	2500	2610		ug/Kg		105	64 - 120
Dichlorodifluoromethane	2500	2190		ug/Kg		88	10 - 150
Ethylbenzene	2500	2670		ug/Kg		107	78 - 124
Isopropylbenzene	2500	2710		ug/Kg		108	76 - 120
Methyl acetate	5000	4430		ug/Kg		89	71 - 123
Methyl tert-butyl ether	2500	2450		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2790		ug/Kg		112	50 - 130

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

Lab Sample ID: LCS 480-558541/1-A
Matrix: Solid
Analysis Batch: 558681

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			2500	2560		ug/Kg		102	75 - 118		
Styrene			2500	2780		ug/Kg		111	80 - 120		
Tetrachloroethene			2500	2910		ug/Kg		116	73 - 133		
Toluene			2500	2700		ug/Kg		108	75 - 124		
trans-1,2-Dichloroethene			2500	2720		ug/Kg		109	74 - 129		
trans-1,3-Dichloropropene			2500	2640		ug/Kg		106	73 - 120		
Trichloroethene			2500	2720		ug/Kg		109	75 - 131		
Trichlorofluoromethane			2500	2500		ug/Kg		100	29 - 158		
Vinyl chloride			2500	2290		ug/Kg		92	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*
Dibromofluoromethane (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-177887-9 MS
Matrix: Solid
Analysis Batch: 558774

Client Sample ID: D-37 (33.7)
Prep Type: Total/NA
Prep Batch: 558541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		2800	3470		ug/Kg	☼	124	64 - 142		
1,1,2,2-Tetrachloroethane	ND		2800	2780		ug/Kg	☼	99	56 - 128		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800	3570		ug/Kg	☼	128	64 - 154		
1,1,2-Trichloroethane	ND		2800	3180		ug/Kg	☼	114	63 - 133		
1,1-Dichloroethane	ND		2800	3150		ug/Kg	☼	112	64 - 135		
1,1-Dichloroethene	ND		2800	3440		ug/Kg	☼	123	62 - 145		
1,2,4-Trichlorobenzene	ND		2800	3420		ug/Kg	☼	122	56 - 145		
1,2-Dibromo-3-Chloropropane	ND		2800	2820		ug/Kg	☼	101	40 - 122		
1,2-Dibromoethane	ND		2800	3140		ug/Kg	☼	112	65 - 133		
1,2-Dichlorobenzene	ND		2800	3100		ug/Kg	☼	111	68 - 133		
1,2-Dichloroethane	ND		2800	3620		ug/Kg	☼	129	62 - 135		
1,2-Dichloropropane	ND		2800	2870		ug/Kg	☼	103	67 - 139		
1,3-Dichlorobenzene	ND		2800	3000		ug/Kg	☼	107	68 - 136		
1,4-Dichlorobenzene	ND		2800	3020		ug/Kg	☼	108	69 - 136		
Methyl ethyl ketone (MEK)	ND		14000	13500		ug/Kg	☼	96	46 - 132		
2-Hexanone	ND		14000	12200		ug/Kg	☼	87	44 - 130		
Methyl isobutyl ketone (MIBK)	ND		14000	12800		ug/Kg	☼	91	49 - 125		
Acetone	ND		14000	13600		ug/Kg	☼	97	32 - 136		
Benzene	ND		2800	3480		ug/Kg	☼	124	68 - 137		
Bromodichloromethane	ND		2800	3050		ug/Kg	☼	109	62 - 136		
Bromoform	ND		2800	2930		ug/Kg	☼	105	43 - 134		
Bromomethane	ND		2800	2590		ug/Kg	☼	92	38 - 137		
Carbon disulfide	ND		2800	2920		ug/Kg	☼	104	52 - 139		
Carbon tetrachloride	ND		2800	3560		ug/Kg	☼	127	60 - 150		
Chlorobenzene	ND		2800	3630		ug/Kg	☼	130	67 - 136		
Chloroethane	ND		2800	2320		ug/Kg	☼	83	34 - 140		
Chloroform	ND		2800	3280		ug/Kg	☼	117	64 - 133		

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

Lab Sample ID: 480-177887-9 MS
Matrix: Solid
Analysis Batch: 558774

Client Sample ID: D-37 (33.7)
Prep Type: Total/NA
Prep Batch: 558541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2800	1600		ug/Kg	☼	57	47 - 143
cis-1,2-Dichloroethene	ND		2800	3720		ug/Kg	☼	133	65 - 137
cis-1,3-Dichloropropene	ND		2800	2710		ug/Kg	☼	97	61 - 148
Cyclohexane	ND		2800	3230		ug/Kg	☼	115	63 - 149
Dibromochloromethane	ND		2800	3010		ug/Kg	☼	107	57 - 137
Dichlorodifluoromethane	ND		2800	2130		ug/Kg	☼	76	26 - 150
Ethylbenzene	ND		2800	3230		ug/Kg	☼	115	67 - 136
Isopropylbenzene	ND		2800	3090		ug/Kg	☼	110	65 - 147
Methyl acetate	ND		5600	ND		ug/Kg	☼	102	50 - 124
Methyl tert-butyl ether	ND		2800	3150		ug/Kg	☼	112	60 - 130
Methylcyclohexane	ND		2800	3250		ug/Kg	☼	116	67 - 150
Methylene Chloride	ND	F2 F1	2800	1500	F1	ug/Kg	☼	54	63 - 138
Styrene	ND		2800	3070		ug/Kg	☼	110	68 - 137
Tetrachloroethene	ND		2800	3520		ug/Kg	☼	126	67 - 150
Toluene	ND		2800	3440		ug/Kg	☼	123	68 - 137
trans-1,2-Dichloroethene	ND		2800	3440		ug/Kg	☼	123	65 - 138
trans-1,3-Dichloropropene	ND		2800	2910		ug/Kg	☼	104	58 - 143
Trichloroethene	37000		2800	34700	4	ug/Kg	☼	-79	69 - 143
Trichlorofluoromethane	ND		2800	2650		ug/Kg	☼	95	35 - 150
Vinyl chloride	ND		2800	2120		ug/Kg	☼	76	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Dibromofluoromethane (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*105*		*50 - 149*

Lab Sample ID: 480-177887-9 MSD
Matrix: Solid
Analysis Batch: 558774

Client Sample ID: D-37 (33.7)
Prep Type: Total/NA
Prep Batch: 558541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2870	3590		ug/Kg	☼	125	64 - 142	3	20
1,1,2,2-Tetrachloroethane	ND		2870	2660		ug/Kg	☼	92	56 - 128	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2870	3550		ug/Kg	☼	124	64 - 154	1	20
1,1,2-Trichloroethane	ND		2870	3040		ug/Kg	☼	106	63 - 133	5	20
1,1-Dichloroethane	ND		2870	3150		ug/Kg	☼	110	64 - 135	0	20
1,1-Dichloroethene	ND		2870	3560		ug/Kg	☼	124	62 - 145	3	20
1,2,4-Trichlorobenzene	ND		2870	3260		ug/Kg	☼	114	56 - 145	5	20
1,2-Dibromo-3-Chloropropane	ND		2870	2770		ug/Kg	☼	97	40 - 122	2	20
1,2-Dibromoethane	ND		2870	3040		ug/Kg	☼	106	65 - 133	3	20
1,2-Dichlorobenzene	ND		2870	3170		ug/Kg	☼	111	68 - 133	3	20
1,2-Dichloroethane	ND		2870	3660		ug/Kg	☼	127	62 - 135	1	20
1,2-Dichloropropane	ND		2870	2990		ug/Kg	☼	104	67 - 139	4	20
1,3-Dichlorobenzene	ND		2870	3180		ug/Kg	☼	111	68 - 136	6	20
1,4-Dichlorobenzene	ND		2870	3080		ug/Kg	☼	107	69 - 136	2	20
Methyl ethyl ketone (MEK)	ND		14400	13000		ug/Kg	☼	90	46 - 132	4	20
2-Hexanone	ND		14400	12600		ug/Kg	☼	87	44 - 130	3	20

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

Lab Sample ID: 480-177887-9 MSD
Matrix: Solid
Analysis Batch: 558774

Client Sample ID: D-37 (33.7)
Prep Type: Total/NA
Prep Batch: 558541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl isobutyl ketone (MIBK)	ND		14400	12200		ug/Kg	☼	85	49 - 125	5	20
Acetone	ND		14400	14300		ug/Kg	☼	100	32 - 136	5	20
Benzene	ND		2870	3490		ug/Kg	☼	122	68 - 137	0	20
Bromodichloromethane	ND		2870	2940		ug/Kg	☼	102	62 - 136	4	20
Bromoform	ND		2870	2800		ug/Kg	☼	98	43 - 134	5	20
Bromomethane	ND		2870	2600		ug/Kg	☼	90	38 - 137	0	20
Carbon disulfide	ND		2870	2780		ug/Kg	☼	97	52 - 139	5	20
Carbon tetrachloride	ND		2870	3650		ug/Kg	☼	127	60 - 150	3	20
Chlorobenzene	ND		2870	3550		ug/Kg	☼	124	67 - 136	2	20
Chloroethane	ND		2870	2050		ug/Kg	☼	71	34 - 140	12	20
Chloroform	ND		2870	3170		ug/Kg	☼	110	64 - 133	3	20
Chloromethane	ND		2870	1820		ug/Kg	☼	63	47 - 143	13	20
cis-1,2-Dichloroethene	ND		2870	3690		ug/Kg	☼	129	65 - 137	1	20
cis-1,3-Dichloropropene	ND		2870	2860		ug/Kg	☼	100	61 - 148	6	20
Cyclohexane	ND		2870	3120		ug/Kg	☼	109	63 - 149	3	20
Dibromochloromethane	ND		2870	3110		ug/Kg	☼	108	57 - 137	3	20
Dichlorodifluoromethane	ND		2870	2470		ug/Kg	☼	86	26 - 150	15	20
Ethylbenzene	ND		2870	3050		ug/Kg	☼	106	67 - 136	6	20
Isopropylbenzene	ND		2870	3110		ug/Kg	☼	108	65 - 147	1	20
Methyl acetate	ND		5740	ND		ug/Kg	☼	95	50 - 124	4	20
Methyl tert-butyl ether	ND		2870	3430		ug/Kg	☼	119	60 - 130	9	20
Methylcyclohexane	ND		2870	3460		ug/Kg	☼	120	67 - 150	6	20
Methylene Chloride	ND	F2 F1	2870	1900	F2	ug/Kg	☼	66	63 - 138	23	20
Styrene	ND		2870	3200		ug/Kg	☼	111	68 - 137	4	20
Tetrachloroethene	ND		2870	3950		ug/Kg	☼	137	67 - 150	11	20
Toluene	ND		2870	3590		ug/Kg	☼	125	68 - 137	4	20
trans-1,2-Dichloroethene	ND		2870	3690		ug/Kg	☼	129	65 - 138	7	20
trans-1,3-Dichloropropene	ND		2870	2860		ug/Kg	☼	99	58 - 143	2	20
Trichloroethene	37000		2870	34800	4	ug/Kg	☼	-72	69 - 143	0	20
Trichlorofluoromethane	ND		2870	2630		ug/Kg	☼	92	35 - 150	1	20
Vinyl chloride	ND		2870	2000		ug/Kg	☼	70	56 - 150	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*114*		*49 - 148*
Dibromofluoromethane (Surr)	*116*		*60 - 140*
Toluene-d8 (Surr)	*104*		*50 - 149*

Lab Sample ID: MB 480-558649/2-A
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,1-Dichloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1

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

Lab Sample ID: MB 480-558649/2-A
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558649

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dibromoethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,2-Dichloropropane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl ethyl ketone (MEK)	ND		500		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
2-Hexanone	ND		500		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl isobutyl ketone (MIBK)	ND		500		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Acetone	ND		500		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Benzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromodichloromethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromoform	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Bromomethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Carbon disulfide	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Carbon tetrachloride	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chlorobenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloroethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloroform	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Chloromethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Cyclohexane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Dibromochloromethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Ethylbenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Isopropylbenzene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl acetate	ND		500		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methylcyclohexane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Methylene Chloride	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Styrene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Tetrachloroethene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Toluene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Trichloroethene	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Trichlorofluoromethane	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Vinyl chloride	ND		100		ug/Kg		11/11/20 19:48	11/13/20 20:53	1
Xylenes, Total	ND		200		ug/Kg		11/11/20 19:48	11/13/20 20:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*11/11/20 19:48*	*11/13/20 20:53*	*1*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*	*11/11/20 19:48*	*11/13/20 20:53*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*	*11/11/20 19:48*	*11/13/20 20:53*	*1*

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

Lab Sample ID: MB 480-558649/2-A
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 558649

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 149	11/11/20 19:48	11/13/20 20:53	1

Lab Sample ID: LCS 480-558649/1-A
Matrix: Solid
Analysis Batch: 559093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2850		ug/Kg		114	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2620		ug/Kg		105	10 - 179
1,1,2-Trichloroethane	2500	2510		ug/Kg		100	80 - 120
1,1-Dichloroethane	2500	2430		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2730		ug/Kg		109	48 - 133
1,2,4-Trichlorobenzene	2500	2880		ug/Kg		115	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2550		ug/Kg		102	56 - 122
1,2-Dibromoethane	2500	2530		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2510		ug/Kg		101	78 - 125
1,2-Dichloroethane	2500	2720		ug/Kg		109	74 - 127
1,2-Dichloropropane	2500	2510		ug/Kg		101	80 - 120
1,3-Dichlorobenzene	2500	2530		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2490		ug/Kg		99	80 - 120
Methyl ethyl ketone (MEK)	12500	11100		ug/Kg		89	54 - 149
2-Hexanone	12500	10800		ug/Kg		86	59 - 127
Methyl isobutyl ketone (MIBK)	12500	10500		ug/Kg		84	74 - 120
Acetone	12500	11400		ug/Kg		91	47 - 141
Benzene	2500	2510		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2670		ug/Kg		107	71 - 121
Bromoform	2500	2850		ug/Kg		114	48 - 125
Bromomethane	2500	2610		ug/Kg		104	39 - 149
Carbon disulfide	2500	2320		ug/Kg		93	40 - 136
Carbon tetrachloride	2500	2870		ug/Kg		115	54 - 135
Chlorobenzene	2500	2650		ug/Kg		106	76 - 126
Chloroethane	2500	2170		ug/Kg		87	23 - 150
Chloroform	2500	2550		ug/Kg		102	78 - 120
Chloromethane	2500	1950		ug/Kg		78	61 - 124
cis-1,2-Dichloroethene	2500	2570		ug/Kg		103	79 - 124
cis-1,3-Dichloropropene	2500	2700		ug/Kg		108	75 - 121
Cyclohexane	2500	2340		ug/Kg		93	49 - 129
Dibromochloromethane	2500	2750		ug/Kg		110	64 - 120
Dichlorodifluoromethane	2500	2750		ug/Kg		110	10 - 150
Ethylbenzene	2500	2580		ug/Kg		103	78 - 124
Isopropylbenzene	2500	2530		ug/Kg		101	76 - 120
Methyl acetate	5000	4260		ug/Kg		85	71 - 123
Methyl tert-butyl ether	2500	2570		ug/Kg		103	67 - 137
Methylcyclohexane	2500	2660		ug/Kg		106	50 - 130
Methylene Chloride	2500	2460		ug/Kg		98	75 - 118
Styrene	2500	2680		ug/Kg		107	80 - 120
Tetrachloroethene	2500	2870		ug/Kg		115	73 - 133

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

Lab Sample ID: LCS 480-558649/1-A
Matrix: Solid
Analysis Batch: 559093

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	2500	2560		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2590		ug/Kg		104	74 - 129
trans-1,3-Dichloropropene	2500	2620		ug/Kg		105	73 - 120
Trichloroethene	2500	2660		ug/Kg		107	75 - 131
Trichlorofluoromethane	2500	3030		ug/Kg		121	29 - 158
Vinyl chloride	2500	2140		ug/Kg		86	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Dibromofluoromethane (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*101*		*50 - 149*

Lab Sample ID: 480-177887-17 MS
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: D-38 (31-31.5)
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		3020	4000		ug/Kg	☼	132	64 - 142
1,1,2,2-Tetrachloroethane	ND		3020	ND		ug/Kg	☼	99	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3020	3960		ug/Kg	☼	131	64 - 154
1,1,2-Trichloroethane	ND		3020	ND		ug/Kg	☼	86	63 - 133
1,1-Dichloroethane	ND		3020	ND		ug/Kg	☼	103	64 - 135
1,1-Dichloroethene	ND		3020	3680		ug/Kg	☼	122	62 - 145
1,2,4-Trichlorobenzene	ND		3020	3380		ug/Kg	☼	112	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F2	3020	ND		ug/Kg	☼	100	40 - 122
1,2-Dibromoethane	ND		3020	ND		ug/Kg	☼	103	65 - 133
1,2-Dichlorobenzene	ND		3020	ND		ug/Kg	☼	106	68 - 133
1,2-Dichloroethane	ND		3020	3500		ug/Kg	☼	116	62 - 135
1,2-Dichloropropane	ND	F2	3020	4080		ug/Kg	☼	135	67 - 139
1,3-Dichlorobenzene	ND		3020	ND		ug/Kg	☼	103	68 - 136
1,4-Dichlorobenzene	ND		3020	ND		ug/Kg	☼	104	69 - 136
Methyl ethyl ketone (MEK)	ND		15100	ND		ug/Kg	☼	84	46 - 132
2-Hexanone	ND		15100	ND		ug/Kg	☼	69	44 - 130
Methyl isobutyl ketone (MIBK)	ND		15100	ND		ug/Kg	☼	84	49 - 125
Acetone	ND	F1	15100	ND	F1	ug/Kg	☼	0	32 - 136
Benzene	ND	F2	3020	3870		ug/Kg	☼	128	68 - 137
Bromodichloromethane	ND		3020	3560		ug/Kg	☼	118	62 - 136
Bromoform	ND		3020	ND		ug/Kg	☼	85	43 - 134
Bromomethane	ND		3020	ND		ug/Kg	☼	106	38 - 137
Carbon disulfide	ND		3020	ND		ug/Kg	☼	100	52 - 139
Carbon tetrachloride	ND		3020	3470		ug/Kg	☼	115	60 - 150
Chlorobenzene	ND		3020	3300		ug/Kg	☼	109	67 - 136
Chloroethane	ND		3020	ND		ug/Kg	☼	90	34 - 140
Chloroform	ND	F1 F2	3020	4240	F1	ug/Kg	☼	140	64 - 133
Chloromethane	ND		3020	ND		ug/Kg	☼	82	47 - 143
cis-1,2-Dichloroethene	ND		3020	3970		ug/Kg	☼	131	65 - 137
cis-1,3-Dichloropropene	ND		3020	ND		ug/Kg	☼	99	61 - 148

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

Lab Sample ID: 480-177887-17 MS
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: D-38 (31-31.5)
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	ND		3020	ND		ug/Kg	☼	108	63 - 149
Dibromochloromethane	ND		3020	3570		ug/Kg	☼	118	57 - 137
Dichlorodifluoromethane	ND	F2	3020	ND		ug/Kg	☼	99	26 - 150
Ethylbenzene	ND		3020	ND		ug/Kg	☼	106	67 - 136
Isopropylbenzene	ND		3020	ND		ug/Kg	☼	97	65 - 147
Methyl acetate	ND	F2	6050	ND		ug/Kg	☼	99	50 - 124
Methyl tert-butyl ether	ND		3020	3310		ug/Kg	☼	109	60 - 130
Methylcyclohexane	ND		3020	ND		ug/Kg	☼	108	67 - 150
Methylene Chloride	ND	F1	3020	ND	F1	ug/Kg	☼	36	63 - 138
Styrene	ND		3020	ND		ug/Kg	☼	103	68 - 137
Tetrachloroethene	ND		3020	3800		ug/Kg	☼	126	67 - 150
Toluene	ND		3020	ND		ug/Kg	☼	103	68 - 137
trans-1,2-Dichloroethene	ND	F2	3020	4070		ug/Kg	☼	135	65 - 138
trans-1,3-Dichloropropene	ND		3020	ND		ug/Kg	☼	87	58 - 143
Trichloroethene	160000		3020	211000	4	ug/Kg	☼	1594	69 - 143
Trichlorofluoromethane	ND	F1	3020	4640	F1	ug/Kg	☼	153	35 - 150
Vinyl chloride	ND	F2	3020	ND		ug/Kg	☼	93	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*
Dibromofluoromethane (Surr)	*118*		*60 - 140*
Toluene-d8 (Surr)	*99*		*50 - 149*

Lab Sample ID: 480-177887-17 MSD
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: D-38 (31-31.5)
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2970	3480		ug/Kg	☼	117	64 - 142	14	20
1,1,2,2-Tetrachloroethane	ND		2970	ND		ug/Kg	☼	105	56 - 128	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2970	3380		ug/Kg	☼	114	64 - 154	16	20
1,1,2-Trichloroethane	ND		2970	ND		ug/Kg	☼	92	63 - 133	5	20
1,1-Dichloroethane	ND		2970	3340		ug/Kg	☼	112	64 - 135	7	20
1,1-Dichloroethene	ND		2970	ND		ug/Kg	☼	106	62 - 145	15	20
1,2,4-Trichlorobenzene	ND		2970	3260		ug/Kg	☼	110	56 - 145	4	20
1,2-Dibromo-3-Chloropropane	ND	F2	2970	ND	F2	ug/Kg	☼	67	40 - 122	42	20
1,2-Dibromoethane	ND		2970	3280		ug/Kg	☼	110	65 - 133	6	20
1,2-Dichlorobenzene	ND		2970	ND		ug/Kg	☼	102	68 - 133	6	20
1,2-Dichloroethane	ND		2970	3760		ug/Kg	☼	126	62 - 135	7	20
1,2-Dichloropropane	ND	F2	2970	ND	F2	ug/Kg	☼	94	67 - 139	37	20
1,3-Dichlorobenzene	ND		2970	ND		ug/Kg	☼	106	68 - 136	1	20
1,4-Dichlorobenzene	ND		2970	ND		ug/Kg	☼	99	69 - 136	6	20
Methyl ethyl ketone (MEK)	ND		14900	ND		ug/Kg	☼	77	46 - 132	10	20
2-Hexanone	ND		14900	ND		ug/Kg	☼	78	44 - 130	11	20
Methyl isobutyl ketone (MIBK)	ND		14900	ND		ug/Kg	☼	84	49 - 125	2	20
Acetone	ND	F1	14900	ND		ug/Kg	☼	100	32 - 136	NC	20
Benzene	ND	F2	2970	ND	F2	ug/Kg	☼	99	68 - 137	27	20

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

Lab Sample ID: 480-177887-17 MSD
Matrix: Solid
Analysis Batch: 558981

Client Sample ID: D-38 (31-31.5)
Prep Type: Total/NA
Prep Batch: 558649

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		2970	3660		ug/Kg	☼	123	62 - 136	3	20
Bromoform	ND		2970	ND		ug/Kg	☼	80	43 - 134	8	20
Bromomethane	ND		2970	ND		ug/Kg	☼	95	38 - 137	12	20
Carbon disulfide	ND		2970	ND		ug/Kg	☼	101	52 - 139	0	20
Carbon tetrachloride	ND		2970	3460		ug/Kg	☼	116	60 - 150	0	20
Chlorobenzene	ND		2970	3580		ug/Kg	☼	121	67 - 136	8	20
Chloroethane	ND		2970	ND		ug/Kg	☼	78	34 - 140	15	20
Chloroform	ND	F1 F2	2970	3410	F2	ug/Kg	☼	115	64 - 133	22	20
Chloromethane	ND		2970	ND		ug/Kg	☼	78	47 - 143	6	20
cis-1,2-Dichloroethene	ND		2970	3450		ug/Kg	☼	116	65 - 137	14	20
cis-1,3-Dichloropropene	ND		2970	ND		ug/Kg	☼	103	61 - 148	2	20
Cyclohexane	ND		2970	ND		ug/Kg	☼	100	63 - 149	10	20
Dibromochloromethane	ND		2970	ND		ug/Kg	☼	104	57 - 137	14	20
Dichlorodifluoromethane	ND	F2	2970	ND	F2	ug/Kg	☼	75	26 - 150	29	20
Ethylbenzene	ND		2970	ND		ug/Kg	☼	106	67 - 136	2	20
Isopropylbenzene	ND		2970	ND		ug/Kg	☼	93	65 - 147	6	20
Methyl acetate	ND	F2	5950	ND	F2	ug/Kg	☼	81	50 - 124	22	20
Methyl tert-butyl ether	ND		2970	ND		ug/Kg	☼	104	60 - 130	7	20
Methylcyclohexane	ND		2970	3230		ug/Kg	☼	108	67 - 150	1	20
Methylene Chloride	ND	F1	2970	ND	F1	ug/Kg	☼	33	63 - 138	12	20
Styrene	ND		2970	ND		ug/Kg	☼	103	68 - 137	2	20
Tetrachloroethene	ND		2970	3600		ug/Kg	☼	121	67 - 150	5	20
Toluene	ND		2970	3200		ug/Kg	☼	108	68 - 137	3	20
trans-1,2-Dichloroethene	ND	F2	2970	ND	F2	ug/Kg	☼	98	65 - 138	33	20
trans-1,3-Dichloropropene	ND		2970	ND		ug/Kg	☼	85	58 - 143	4	20
Trichloroethene	160000		2970	192000	4	ug/Kg	☼	983	69 - 143	9	20
Trichlorofluoromethane	ND	F1	2970	4110		ug/Kg	☼	138	35 - 150	12	20
Vinyl chloride	ND	F2	2970	ND	F2	ug/Kg	☼	67	56 - 150	35	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*
Dibromofluoromethane (Surr)	*111*		*60 - 140*
Toluene-d8 (Surr)	*99*		*50 - 149*

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Lab Sample ID: 480-177887-11 DU
Matrix: Solid
Analysis Batch: 337887

Client Sample ID: D-38 (1.9-2.1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Matter	4.1			4.2		%				0.6	10
Ash Content	95.9			95.8		%				0	10
Moisture Content	17.9			18.6		%				3	10

GC/MS VOA

Prep Batch: 558541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-1	D-35 (4.3) SLAG	Total/NA	Solid	5035A_H	
480-177887-2	D-35 (28.7)	Total/NA	Solid	5035A_H	
480-177887-3	D-35 (33)	Total/NA	Solid	5035A_H	
480-177887-4	D-36 (32.8)	Total/NA	Solid	5035A_H	
480-177887-5	D-37 (26.9)	Total/NA	Solid	5035A_H	
480-177887-6	D-37 (28.3)	Total/NA	Solid	5035A_H	
480-177887-7	D-37 (31.7)	Total/NA	Solid	5035A_H	
480-177887-8	D-37 (32.3)	Total/NA	Solid	5035A_H	
480-177887-9	D-37 (33.7)	Total/NA	Solid	5035A_H	
480-177887-10	DUP-06_20201105	Total/NA	Solid	5035A_H	
480-177887-12	D-38 (27.2)	Total/NA	Solid	5035A_H	
480-177887-13	D-38 (28.5)	Total/NA	Solid	5035A_H	
480-177887-14	D-38 (29)	Total/NA	Solid	5035A_H	
480-177887-15	D-38 (30)	Total/NA	Solid	5035A_H	
480-177887-16	D-38 (29.5)	Total/NA	Solid	5035A_H	
480-177887-18	D-38 (33.5)	Total/NA	Solid	5035A_H	
480-177887-19	DUP-07_20201106	Total/NA	Solid	5035A_H	
480-177887-21	D-39 (22)	Total/NA	Solid	5035A_H	
480-177887-22	D-39 (22.3)	Total/NA	Solid	5035A_H	
480-177887-23	D-39 (22.5)	Total/NA	Solid	5035A_H	
MB 480-558541/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-558541/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-177887-9 MS	D-37 (33.7)	Total/NA	Solid	5035A_H	
480-177887-9 MSD	D-37 (33.7)	Total/NA	Solid	5035A_H	

Analysis Batch: 558565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-1	D-35 (4.3) SLAG	Total/NA	Solid	8260C	558541
480-177887-2	D-35 (28.7)	Total/NA	Solid	8260C	558541
480-177887-3	D-35 (33)	Total/NA	Solid	8260C	558541
480-177887-4	D-36 (32.8)	Total/NA	Solid	8260C	558541
480-177887-5	D-37 (26.9)	Total/NA	Solid	8260C	558541
480-177887-6	D-37 (28.3)	Total/NA	Solid	8260C	558541
480-177887-7	D-37 (31.7)	Total/NA	Solid	8260C	558541
480-177887-8	D-37 (32.3)	Total/NA	Solid	8260C	558541
480-177887-10	DUP-06_20201105	Total/NA	Solid	8260C	558541
480-177887-12	D-38 (27.2)	Total/NA	Solid	8260C	558541
480-177887-13	D-38 (28.5)	Total/NA	Solid	8260C	558541
MB 480-558541/2-A	Method Blank	Total/NA	Solid	8260C	558541

Prep Batch: 558649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-17	D-38 (31-31.5)	Total/NA	Solid	5035A_H	
480-177887-24	D-39 (28.2)	Total/NA	Solid	5035A_H	
480-177887-25	D-39 (29.6)	Total/NA	Solid	5035A_H	
480-177887-26	D-39 (31.2)	Total/NA	Solid	5035A_H	
480-177887-27	D-40 (21.5)	Total/NA	Solid	5035A_H	
480-177887-28	D-40 (33.3)	Total/NA	Solid	5035A_H	
480-177887-29	D-38 (30.5)	Total/NA	Solid	5035A_H	
MB 480-558649/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-558649/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC/MS VOA (Continued)

Prep Batch: 558649 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-17 MS	D-38 (31-31.5)	Total/NA	Solid	5035A_H	
480-177887-17 MSD	D-38 (31-31.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 558681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-558541/1-A	Lab Control Sample	Total/NA	Solid	8260C	558541

Analysis Batch: 558774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-9	D-37 (33.7)	Total/NA	Solid	8260C	558541
480-177887-14	D-38 (29)	Total/NA	Solid	8260C	558541
480-177887-15	D-38 (30)	Total/NA	Solid	8260C	558541
480-177887-16	D-38 (29.5)	Total/NA	Solid	8260C	558541
480-177887-18	D-38 (33.5)	Total/NA	Solid	8260C	558541
480-177887-19	DUP-07_20201106	Total/NA	Solid	8260C	558541
480-177887-21	D-39 (22)	Total/NA	Solid	8260C	558541
480-177887-22	D-39 (22.3)	Total/NA	Solid	8260C	558541
480-177887-23	D-39 (22.5)	Total/NA	Solid	8260C	558541
480-177887-9 MS	D-37 (33.7)	Total/NA	Solid	8260C	558541
480-177887-9 MSD	D-37 (33.7)	Total/NA	Solid	8260C	558541

Analysis Batch: 558981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-17	D-38 (31-31.5)	Total/NA	Solid	8260C	558649
480-177887-25	D-39 (29.6)	Total/NA	Solid	8260C	558649
480-177887-26	D-39 (31.2)	Total/NA	Solid	8260C	558649
480-177887-27	D-40 (21.5)	Total/NA	Solid	8260C	558649
480-177887-28	D-40 (33.3)	Total/NA	Solid	8260C	558649
480-177887-29	D-38 (30.5)	Total/NA	Solid	8260C	558649
MB 480-558649/2-A	Method Blank	Total/NA	Solid	8260C	558649
480-177887-17 MS	D-38 (31-31.5)	Total/NA	Solid	8260C	558649
480-177887-17 MSD	D-38 (31-31.5)	Total/NA	Solid	8260C	558649

Analysis Batch: 559093

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-24	D-39 (28.2)	Total/NA	Solid	8260C	558649
LCS 480-558649/1-A	Lab Control Sample	Total/NA	Solid	8260C	558649

General Chemistry

Analysis Batch: 558637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-1	D-35 (4.3) SLAG	Total/NA	Solid	Moisture	
480-177887-2	D-35 (28.7)	Total/NA	Solid	Moisture	
480-177887-3	D-35 (33)	Total/NA	Solid	Moisture	
480-177887-4	D-36 (32.8)	Total/NA	Solid	Moisture	
480-177887-5	D-37 (26.9)	Total/NA	Solid	Moisture	
480-177887-6	D-37 (28.3)	Total/NA	Solid	Moisture	
480-177887-7	D-37 (31.7)	Total/NA	Solid	Moisture	
480-177887-8	D-37 (32.3)	Total/NA	Solid	Moisture	
480-177887-9	D-37 (33.7)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 558637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-10	DUP-06_20201105	Total/NA	Solid	Moisture	
480-177887-12	D-38 (27.2)	Total/NA	Solid	Moisture	
480-177887-13	D-38 (28.5)	Total/NA	Solid	Moisture	
480-177887-14	D-38 (29)	Total/NA	Solid	Moisture	
480-177887-15	D-38 (30)	Total/NA	Solid	Moisture	
480-177887-16	D-38 (29.5)	Total/NA	Solid	Moisture	
480-177887-17	D-38 (31-31.5)	Total/NA	Solid	Moisture	
480-177887-18	D-38 (33.5)	Total/NA	Solid	Moisture	
480-177887-19	DUP-07_20201106	Total/NA	Solid	Moisture	
480-177887-21	D-39 (22)	Total/NA	Solid	Moisture	
480-177887-22	D-39 (22.3)	Total/NA	Solid	Moisture	
480-177887-23	D-39 (22.5)	Total/NA	Solid	Moisture	
480-177887-24	D-39 (28.2)	Total/NA	Solid	Moisture	
480-177887-25	D-39 (29.6)	Total/NA	Solid	Moisture	
480-177887-26	D-39 (31.2)	Total/NA	Solid	Moisture	
480-177887-27	D-40 (21.5)	Total/NA	Solid	Moisture	
480-177887-28	D-40 (33.3)	Total/NA	Solid	Moisture	
480-177887-29	D-38 (30.5)	Total/NA	Solid	Moisture	
480-177887-9 MS	D-37 (33.7)	Total/NA	Solid	Moisture	
480-177887-9 MSD	D-37 (33.7)	Total/NA	Solid	Moisture	
480-177887-17 MS	D-38 (31-31.5)	Total/NA	Solid	Moisture	
480-177887-17 MSD	D-38 (31-31.5)	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 337887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-177887-11	D-38 (1.9-2.1)	Total/NA	Solid	ASTM D2974	
480-177887-20	D-39 (1.9-2.4)	Total/NA	Solid	ASTM D2974	
480-177887-11 DU	D-38 (1.9-2.1)	Total/NA	Solid	ASTM D2974	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-35 (4.3) SLAG
Date Collected: 11/05/20 09:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-35 (4.3) SLAG
Date Collected: 11/05/20 09:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-1
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		4	558565	11/12/20 01:43	AMM	TAL BUF

Client Sample ID: D-35 (28.7)
Date Collected: 11/05/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-35 (28.7)
Date Collected: 11/05/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-2
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		4	558565	11/12/20 02:06	AMM	TAL BUF

Client Sample ID: D-35 (33)
Date Collected: 11/05/20 10:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-35 (33)
Date Collected: 11/05/20 10:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-3
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		2	558565	11/12/20 02:29	AMM	TAL BUF

Client Sample ID: D-36 (32.8)
Date Collected: 11/05/20 11:50
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-36 (32.8)
Date Collected: 11/05/20 11:50
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-4
Matrix: Solid
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		2	558565	11/12/20 02:52	AMM	TAL BUF

Client Sample ID: D-37 (26.9)
Date Collected: 11/05/20 13:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-37 (26.9)
Date Collected: 11/05/20 13:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-5
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		20	558565	11/12/20 03:15	AMM	TAL BUF

Client Sample ID: D-37 (28.3)
Date Collected: 11/05/20 13:45
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-37 (28.3)
Date Collected: 11/05/20 13:45
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-6
Matrix: Solid
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		50	558565	11/12/20 03:38	AMM	TAL BUF

Client Sample ID: D-37 (31.7)
Date Collected: 11/05/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-37 (31.7)
Date Collected: 11/05/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-7
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		10	558565	11/12/20 04:01	AMM	TAL BUF

Client Sample ID: D-37 (32.3)
Date Collected: 11/05/20 14:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-37 (32.3)
Date Collected: 11/05/20 14:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-8
Matrix: Solid
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		10	558565	11/12/20 04:24	AMM	TAL BUF

Client Sample ID: D-37 (33.7)
Date Collected: 11/05/20 14:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-37 (33.7)
Date Collected: 11/05/20 14:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-9
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		10	558774	11/12/20 22:28	AMM	TAL BUF

Client Sample ID: DUP-06_20201105
Date Collected: 11/05/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: DUP-06_20201105
Date Collected: 11/05/20 00:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-10
Matrix: Solid
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		20	558565	11/12/20 04:47	AMM	TAL BUF

Client Sample ID: D-38 (1.9-2.1)
Date Collected: 11/06/20 08:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	ASTM D2974		1	337887	11/19/20 21:23	PMH	TAL PIT

Client Sample ID: D-38 (27.2)
Date Collected: 11/06/20 09:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (27.2)
Date Collected: 11/06/20 09:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-12
Matrix: Solid
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		400	558565	11/12/20 05:10	AMM	TAL BUF

Client Sample ID: D-38 (28.5)
Date Collected: 11/06/20 09:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (28.5)
Date Collected: 11/06/20 09:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-13
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		400	558565	11/12/20 05:33	AMM	TAL BUF

Client Sample ID: D-38 (29)
Date Collected: 11/06/20 09:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (29)
Date Collected: 11/06/20 09:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-14
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		200	558774	11/12/20 22:51	AMM	TAL BUF

Client Sample ID: D-38 (30)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (30)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-15
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		400	558774	11/12/20 23:14	AMM	TAL BUF

Client Sample ID: D-38 (29.5)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (29.5)
Date Collected: 11/06/20 09:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-16
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		400	558774	11/12/20 23:37	AMM	TAL BUF

Client Sample ID: D-38 (31-31.5)
Date Collected: 11/06/20 09:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-38 (31-31.5)
Lab Sample ID: 480-177887-17
Date Collected: 11/06/20 09:30
Matrix: Solid
Date Received: 11/07/20 10:00
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		25	558981	11/14/20 00:45	LCH	TAL BUF

Client Sample ID: D-38 (33.5)
Lab Sample ID: 480-177887-18
Date Collected: 11/06/20 10:10
Matrix: Solid
Date Received: 11/07/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (33.5)
Lab Sample ID: 480-177887-18
Date Collected: 11/06/20 10:10
Matrix: Solid
Date Received: 11/07/20 10:00
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		40	558774	11/13/20 00:00	AMM	TAL BUF

Client Sample ID: DUP-07_20201106
Lab Sample ID: 480-177887-19
Date Collected: 11/06/20 00:00
Matrix: Solid
Date Received: 11/07/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: DUP-07_20201106
Lab Sample ID: 480-177887-19
Date Collected: 11/06/20 00:00
Matrix: Solid
Date Received: 11/07/20 10:00
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		50	558774	11/13/20 00:23	AMM	TAL BUF

Client Sample ID: D-39 (1.9-2.4)
Lab Sample ID: 480-177887-20
Date Collected: 11/06/20 12:30
Matrix: Solid
Date Received: 11/07/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	ASTM D2974		1	337887	11/19/20 21:23	PMH	TAL PIT

Client Sample ID: D-39 (22)
Lab Sample ID: 480-177887-21
Date Collected: 11/06/20 11:20
Matrix: Solid
Date Received: 11/07/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (22)
Date Collected: 11/06/20 11:20
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-21
Matrix: Solid
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		250	558774	11/13/20 00:46	AMM	TAL BUF

Client Sample ID: D-39 (22.3)
Date Collected: 11/06/20 11:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-39 (22.3)
Date Collected: 11/06/20 11:30
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-22
Matrix: Solid
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		200	558774	11/13/20 01:09	AMM	TAL BUF

Client Sample ID: D-39 (22.5)
Date Collected: 11/06/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-39 (22.5)
Date Collected: 11/06/20 11:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-23
Matrix: Solid
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558541	11/11/20 10:52	LCH	TAL BUF
Total/NA	Analysis	8260C		10	558774	11/13/20 01:32	AMM	TAL BUF

Client Sample ID: D-39 (28.2)
Date Collected: 11/06/20 12:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-39 (28.2)
Date Collected: 11/06/20 12:05
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-24
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		500	559093	11/14/20 19:56	LCH	TAL BUF

Client Sample ID: D-39 (29.6)
Date Collected: 11/06/20 12:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-39 (29.6)
Date Collected: 11/06/20 12:10
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-25
Matrix: Solid
Percent Solids: 76.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		4000	558981	11/14/20 01:31	LCH	TAL BUF

Client Sample ID: D-39 (31.2)
Date Collected: 11/06/20 12:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-39 (31.2)
Date Collected: 11/06/20 12:15
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-26
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		10	558981	11/14/20 01:54	LCH	TAL BUF

Client Sample ID: D-40 (21.5)
Date Collected: 11/06/20 13:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Client Sample ID: D-40 (21.5)
Date Collected: 11/06/20 13:35
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-27
Matrix: Solid
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		25	558981	11/14/20 02:17	LCH	TAL BUF

Client Sample ID: D-40 (33.3)
Date Collected: 11/06/20 14:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-40 (33.3)
Date Collected: 11/06/20 14:00
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-28
Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		10	558981	11/14/20 02:40	LCH	TAL BUF

Client Sample ID: D-38 (30.5)
Date Collected: 11/06/20 09:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	558637	11/11/20 17:42	CDC	TAL BUF

Client Sample ID: D-38 (30.5)
Date Collected: 11/06/20 09:25
Date Received: 11/07/20 10:00

Lab Sample ID: 480-177887-29
Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			558649	11/11/20 19:48	CDC	TAL BUF
Total/NA	Analysis	8260C		500	558981	11/14/20 03:03	LCH	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-177887-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-21

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21
Connecticut	State	PH-0688	09-30-20 *
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-21
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-21
Kentucky (UST)	State	162013	04-30-21
Kentucky (WW)	State	KY98043	12-31-20
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-20
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-21
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-21
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21
Oregon	NELAP	PA-2151	02-06-21
Pennsylvania	NELAP	02-00416	04-30-21
Rhode Island	State	LAO00362	12-31-20
South Carolina	State	89014	04-30-21
Texas	NELAP	T104704528	03-31-21
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	02-01-21
Wisconsin	State	998027800	08-31-21

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

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
ASTM D2974	Moisture, Ash and Organic Matter	ASTM	TAL PIT
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177887-1	D-35 (4.3) SLAG	Solid	11/05/20 09:00	11/07/20 10:00	
480-177887-2	D-35 (28.7)	Solid	11/05/20 09:30	11/07/20 10:00	
480-177887-3	D-35 (33)	Solid	11/05/20 10:00	11/07/20 10:00	
480-177887-4	D-36 (32.8)	Solid	11/05/20 11:50	11/07/20 10:00	
480-177887-5	D-37 (26.9)	Solid	11/05/20 13:25	11/07/20 10:00	
480-177887-6	D-37 (28.3)	Solid	11/05/20 13:45	11/07/20 10:00	
480-177887-7	D-37 (31.7)	Solid	11/05/20 11:35	11/07/20 10:00	
480-177887-8	D-37 (32.3)	Solid	11/05/20 14:20	11/07/20 10:00	
480-177887-9	D-37 (33.7)	Solid	11/05/20 14:25	11/07/20 10:00	
480-177887-10	DUP-06_20201105	Solid	11/05/20 00:00	11/07/20 10:00	
480-177887-11	D-38 (1.9-2.1)	Solid	11/06/20 08:30	11/07/20 10:00	
480-177887-12	D-38 (27.2)	Solid	11/06/20 09:35	11/07/20 10:00	
480-177887-13	D-38 (28.5)	Solid	11/06/20 09:05	11/07/20 10:00	
480-177887-14	D-38 (29)	Solid	11/06/20 09:10	11/07/20 10:00	
480-177887-15	D-38 (30)	Solid	11/06/20 09:15	11/07/20 10:00	
480-177887-16	D-38 (29.5)	Solid	11/06/20 09:15	11/07/20 10:00	
480-177887-17	D-38 (31-31.5)	Solid	11/06/20 09:30	11/07/20 10:00	
480-177887-18	D-38 (33.5)	Solid	11/06/20 10:10	11/07/20 10:00	
480-177887-19	DUP-07_20201106	Solid	11/06/20 00:00	11/07/20 10:00	
480-177887-20	D-39 (1.9-2.4)	Solid	11/06/20 12:30	11/07/20 10:00	
480-177887-21	D-39 (22)	Solid	11/06/20 11:20	11/07/20 10:00	
480-177887-22	D-39 (22.3)	Solid	11/06/20 11:30	11/07/20 10:00	
480-177887-23	D-39 (22.5)	Solid	11/06/20 11:35	11/07/20 10:00	
480-177887-24	D-39 (28.2)	Solid	11/06/20 12:05	11/07/20 10:00	
480-177887-25	D-39 (29.6)	Solid	11/06/20 12:10	11/07/20 10:00	
480-177887-26	D-39 (31.2)	Solid	11/06/20 12:15	11/07/20 10:00	
480-177887-27	D-40 (21.5)	Solid	11/06/20 13:35	11/07/20 10:00	
480-177887-28	D-40 (33.3)	Solid	11/06/20 14:00	11/07/20 10:00	
480-177887-29	D-38 (30.5)	Solid	11/06/20 09:25	11/07/20 10:00	

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.3
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~3 of 23~~ 1 of 3
Company: ARCADIS U.S. Inc		Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): 10 Days - Standard			A - HCL, B - NaOH, C - Zn Acetate, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			Other:

480-177887 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of co	Special Instructions/Note:
			Preservation Code:				N	N		
D-35 (4.3) SLAG	11/5/20	0900	G	Solid			X		1	
D-35 (28.7)	11/5/20	0930	G	Solid			X		1	
D-35 (33)	11/5/20	1000	G	Solid			X		1	
D-36 (32.8)	11/5/20	1150	G	Solid			X		1	
D-37 (26.9)	11/5/20	1325	G	Solid			X		1	
D-37 (28.3)	11/5/20	1345	G	Solid			X		1	
D-37 (31.7)	11/5/20	1350	G	Solid			X		1	
D-37 (32.3)	11/5/20	1420	G	Solid			X		1	
D-37 (33.7)	11/5/20	1425	G	Solid			X		1	
D-37 (33.7) (MS/MSD)	11/5/20	1425	G	Solid			X		2	
DUP-06_20201105	11/5/20	—	G	Solid			X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	11/6/20 1830	Arcadis	Unknown Cindy	11/07/20 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.6 #1 ICE

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.4
Client Contact: Mark Flusche	Phone: 585-880-7247	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~4 of 28~~ 2 of 3
Company: ARCADIS U.S. Inc				Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days - Standard			
State, Zip: NY, 12065				
Phone: 518-250-7322(Tel)	PO #: 30002755.00043			
Email: mark.flusche@arcadis-us.com	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-38(1.9-2.1)	11/6/20	0830	G	Solid				X	1	
D-38(27.2)	11/6/20	0935	G	Solid			X		1	
D-38(28.5)	11/6/20	0905	G	Solid			X		1	
D-38(29)	11/6/20	0910	G	Solid			X		1	
D-38(29.5)	11/6/20	0915	G	Solid			X		1	
D-38(30)	11/6/20	0920	G	Solid			X		1	
D-38(30.5)	11/6/20	0925	G	Solid			X		1	
D-38(31-31.5)	11/6/20	0930	G	Solid			X		1	
D-38(31-31.5)(MS/MSD)	11/6/20	0930	G	Solid			X		2	
D-38(33.5)	11/6/20	1010	G	Solid			X		1	
DUP-07_20201106	11/6/20	—	G	Solid			X		1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	11/6/20 1830	Arcadis	pg1		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-150285-33392.5
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com		Page: Page ~~5 of 23~~ 3 of 3

Company: ARCADIS U.S. Inc	Due Date Requested:	TAT Requested (days): 10 Days - standard	PO #: 30002755.00043	WO #:	Project #: 48005146	SSOW#:
Address: 855 Route 146 Suite 210	City: Clifton Park	State, Zip: NY, 12065	Phone: 518-250-7322(Tel)	Email: mark.flusche@arcadis-us.com	Project Name: GTEOSI - Seneca Falls	Site:

Analysis Requested

Job #:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
D-39 (1.9-2.4)	11/6/20	1230	G	Solid				X	1	
D-39 (22)	11/6/20	1120	G	Solid			X		1	
D-39 (22.3)	11/6/20	1130	G	Solid			X		1	
D-39 (22.5)	11/6/20	1135	G	Solid			X		1	
D-39 (28.2)	11/6/20	1205	G	Solid			X		1	
D-39 (29.6)	11/6/20	1210	G	Solid			X		1	
D-39 (31.2)	11/6/20	1215	G	Solid			X		1	
D-40 (21.5)	11/6/20	1335	G	Solid			X		1	
D-40 (33.3)	11/6/20	1400	G	Solid			X		1	
				Solid						
				Solid						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

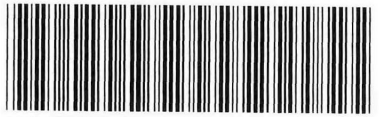
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	11/6/20 1830	Arcadis	PG		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record



fins Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R	
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	New York
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York	Job #: 480-177887-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 11/18/2020		
City: Pittsburgh	TAT Requested (days):		
State, Zip: PA, 15238			
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:		
Email:	WO #:		
Project Name: GTEOSI - Seneca Falls	Project #: 48005146		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D_2974/ Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
D-38 (1.9-2.1) (480-177887-11)	11/6/20	08:30 Eastern		Solid			X	1	
D-39 (1.9-2.4) (480-177887-20)	11/6/20	12:30 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by: Matthew Arnold	Date/Time: 11/17/20 1700	Company: TA	Received by: J Watson	Date/Time: 11/18/20 900	Company: EA		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company		

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 11/01/2020

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177887-1

Login Number: 177887
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.6 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-177887-1

Login Number: 177887
List Number: 2
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 11/18/20 05:59 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	False	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186029-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/23/2021 1:12:44 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Client: ARCADIS U.S. Inc
Job ID: 480-186029-1
Project/Site: GTEOSI - Seneca Falls

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F2	MS/MSD RPD exceeds control limits
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A- L low-level specifications.

Glossary

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

Job ID: 480-186029-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186029-1

Comments
No additional comments.

Receipt
The samples were received on 6/15/2021 10:00 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 3.1º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-585762 recovered outside acceptance criteria, low biased, for cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are: D-55 (28.5-28.6) (480-186029-1), D-55 (29) (480-186029-2), D-55 (32.2) (480-186029-3), D-55 (32.5) (480-186029-4), D-48 (10) (480-186029-6), D-48 (14.2) (480-186029-7), D-48 (19) (480-186029-8), D-48 (21.5) (480-186029-9) and D-48 (29.5) (480-186029-10).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-585966 and analytical batch 480-586156 recovered outside control limits for the following analyte: trans-1,3-Dichloropropene. This analyte was biased high in the LCS and was not detected in the associated sample(s); therefore, the data have been reported. The associated samples are: D-55 (29) (480-186029-2), D-55 (32.2) (480-186029-3), D-55 (32.5) (480-186029-4), D-55 (33) (480-186029-5), D-48 (10) (480-186029-6), D-48 (14.2) (480-186029-7), D-48 (19) (480-186029-8), D-48 (21.5) (480-186029-9) and D-48 (29.5) (480-186029-10).

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-55 (29) (480-186029-2), D-55 (32.2) (480-186029-3), D-55 (32.5) (480-186029-4), D-55 (33) (480-186029-5), D-48 (21.5) (480-186029-9), D-48 (29.5) (480-186029-10), (480-186029-A-10-E MS) and (480-186029-A-10-F MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-48 (10) (480-186029-6), D-48 (14.2) (480-186029-7) and D-48 (19) (480-186029-8). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (28.5-28.6) — Lab Sample ID: 480-186029-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	56	vs	5.8		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-55 (29) — Lab Sample ID: 480-186029-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	750	E vs	5.8		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	4600		1000		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-55 (32.2) — Lab Sample ID: 480-186029-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	23	vs	6.3		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	150	vs	6.3		ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	13	vs	6.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	7200	E vs	6.3		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	72000		1400		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-55 (32.5) — Lab Sample ID: 480-186029-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	14	vs	6.0		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	110	vs	6.0		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	5500	E vs	6.0		ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	8.1	vs	6.0		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	57000		1100		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-55 (33) — Lab Sample ID: 480-186029-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	130000		2800		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-48 (10) — Lab Sample ID: 480-186029-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	73	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	740	E vs	5.6		ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene - DL	120		120		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	3400		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-48 (14.2) — Lab Sample ID: 480-186029-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	11	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	230	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	1300		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-48 (19) — Lab Sample ID: 480-186029-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	3600	E vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	4600		120		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: D-48 (21.5)
Lab Sample ID: 480-186029-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	19	vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	4100	E vs	5.4		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	26000		450		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-48 (29.5)
Lab Sample ID: 480-186029-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	78	vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	4800	E vs	5.6		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	42000		1200		ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (28.5-28.6)
Date Collected: 06/14/21 14:20
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-1
Matrix: Solid
Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,1,2-Trichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,1-Dichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,1-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2,4-Trichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2-Dibromoethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2-Dichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,2-Dichloropropane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,3-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
1,4-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
2-Butanone (MEK)	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
2-Hexanone	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Acetone	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Benzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Bromodichloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Bromoform	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Bromomethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Carbon disulfide	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Carbon tetrachloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Chlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Chloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Chloroform	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Chloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
cis-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
cis-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Cyclohexane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Dibromochloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Dichlorodifluoromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Ethylbenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Isopropylbenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Methyl acetate	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Methyl tert-butyl ether	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Methylcyclohexane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Methylene Chloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Styrene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Tetrachloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Toluene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
trans-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
trans-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Trichloroethene	**56**	**vs**	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Trichlorofluoromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Vinyl chloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	06/16/21 20:19	06/17/21 02:01	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (28.5-28.6)
Date Collected: 06/14/21 14:20
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-1
Matrix: Solid
Percent Solids: 85.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	06/16/21 20:19	06/17/21 02:01	1
4-Bromofluorobenzene (Surr)	95		72 - 126	06/16/21 20:19	06/17/21 02:01	1
Dibromofluoromethane (Surr)	98		60 - 140	06/16/21 20:19	06/17/21 02:01	1
Toluene-d8 (Surr)	102		71 - 125	06/16/21 20:19	06/17/21 02:01	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (29)
Date Collected: 06/14/21 12:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-2
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,1,2,2-Tetrachloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,1,2-Trichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,1-Dichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,1-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2,4-Trichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2-Dibromoethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2-Dichloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,2-Dichloropropane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,3-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
1,4-Dichlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
2-Butanone (MEK)	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
2-Hexanone	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Acetone	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Benzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Bromodichloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Bromoform	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Bromomethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Carbon disulfide	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Carbon tetrachloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Chlorobenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Chloroethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Chloroform	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Chloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
cis-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
cis-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Cyclohexane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Dibromochloromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Dichlorodifluoromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Ethylbenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Isopropylbenzene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Methyl acetate	ND	vs	29		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Methyl tert-butyl ether	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Methylcyclohexane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Methylene Chloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Styrene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Tetrachloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Toluene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
trans-1,2-Dichloroethene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
trans-1,3-Dichloropropene	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Trichloroethene	**750**	**E vs**	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Trichlorofluoromethane	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Vinyl chloride	ND	vs	5.8		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	06/16/21 20:19	06/17/21 02:25	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (29)
Date Collected: 06/14/21 12:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-2
Matrix: Solid
Percent Solids: 83.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	06/16/21 20:19	06/17/21 02:25	1
4-Bromofluorobenzene (Surr)	86		72 - 126	06/16/21 20:19	06/17/21 02:25	1
Dibromofluoromethane (Surr)	98		60 - 140	06/16/21 20:19	06/17/21 02:25	1
Toluene-d8 (Surr)	106		71 - 125	06/16/21 20:19	06/17/21 02:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,1-Dichloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,1-Dichloroethene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2-Dibromoethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2-Dichloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,2-Dichloropropane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
2-Butanone (MEK)	ND		5100		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
2-Hexanone	ND		5100		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
4-Methyl-2-pentanone (MIBK)	ND		5100		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Acetone	ND		5100		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Benzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Bromodichloromethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Bromoform	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Bromomethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Carbon disulfide	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Carbon tetrachloride	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Chlorobenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Chloroethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Chloroform	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Chloromethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Cyclohexane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Dibromochloromethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Ethylbenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Isopropylbenzene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Methyl acetate	ND		5100		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Methylcyclohexane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Methylene Chloride	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Styrene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Tetrachloroethene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Toluene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (29)
Date Collected: 06/14/21 12:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-2
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Trichloroethene	**4600**		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Trichlorofluoromethane	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Vinyl chloride	ND		1000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8
Xylenes, Total	ND		2000		ug/Kg	☼	06/18/21 02:00	06/20/21 14:41	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*53 - 146*	*06/18/21 02:00*	*06/20/21 14:41*	*8*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*06/18/21 02:00*	*06/20/21 14:41*	*8*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*06/18/21 02:00*	*06/20/21 14:41*	*8*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/18/21 02:00*	*06/20/21 14:41*	*8*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (32.2)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-3
Matrix: Solid
Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,1,2,2-Tetrachloroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,1,2-Trichloroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,1-Dichloroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,1-Dichloroethene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2,4-Trichlorobenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2-Dibromoethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2-Dichlorobenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2-Dichloroethane	**23**	**vs**	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,2-Dichloropropane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,3-Dichlorobenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
1,4-Dichlorobenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
2-Butanone (MEK)	ND	vs	32		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
2-Hexanone	ND	vs	32		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Acetone	ND	vs	32		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Benzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Bromodichloromethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Bromoform	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Bromomethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Carbon disulfide	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Carbon tetrachloride	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Chlorobenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Chloroethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Chloroform	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Chloromethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
cis-1,2-Dichloroethene	**150**	**vs**	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
cis-1,3-Dichloropropene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Cyclohexane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Dibromochloromethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Dichlorodifluoromethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Ethylbenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Isopropylbenzene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Methyl acetate	ND	vs	32		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Methyl tert-butyl ether	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Methylcyclohexane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Methylene Chloride	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Styrene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Tetrachloroethene	**13**	**vs**	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Toluene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
trans-1,2-Dichloroethene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
trans-1,3-Dichloropropene	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Trichloroethene	**7200**	**E vs**	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Trichlorofluoromethane	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Vinyl chloride	ND	vs	6.3		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1
Xylenes, Total	ND	vs	13		ug/Kg	☼	06/16/21 20:19	06/17/21 02:49	1

Client Sample ID: D-55 (32.2)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-3
Matrix: Solid
Percent Solids: 76.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/16/21 20:19*	*06/17/21 02:49*	*1*
4-Bromofluorobenzene (Surr)	*88*		*72 - 126*	*06/16/21 20:19*	*06/17/21 02:49*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*06/16/21 20:19*	*06/17/21 02:49*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*06/16/21 20:19*	*06/17/21 02:49*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,1,2,2-Tetrachloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,1,2-Trichloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,1-Dichloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,1-Dichloroethene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2,4-Trichlorobenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2-Dibromo-3-Chloropropane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2-Dibromoethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2-Dichlorobenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2-Dichloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,2-Dichloropropane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,3-Dichlorobenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
1,4-Dichlorobenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
2-Butanone (MEK)	ND		7100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
2-Hexanone	ND		7100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
4-Methyl-2-pentanone (MIBK)	ND		7100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Acetone	ND		7100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Benzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Bromodichloromethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Bromoform	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Bromomethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Carbon disulfide	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Carbon tetrachloride	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Chlorobenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Chloroethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Chloroform	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Chloromethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
cis-1,2-Dichloroethene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
cis-1,3-Dichloropropene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Cyclohexane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Dibromochloromethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Dichlorodifluoromethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Ethylbenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Isopropylbenzene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Methyl acetate	ND		7100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Methyl tert-butyl ether	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Methylcyclohexane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Methylene Chloride	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Styrene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Tetrachloroethene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Toluene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
trans-1,2-Dichloroethene	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (32.2)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-3
Matrix: Solid
Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Trichloroethene	**72000**		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Trichlorofluoromethane	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Vinyl chloride	ND		1400		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10
Xylenes, Total	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:04	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*53 - 146*	*06/18/21 02:00*	*06/20/21 15:04*	*10*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*06/18/21 02:00*	*06/20/21 15:04*	*10*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*06/18/21 02:00*	*06/20/21 15:04*	*10*
Toluene-d8 (Surr)	*93*		*50 - 149*	*06/18/21 02:00*	*06/20/21 15:04*	*10*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (32.5)
Date Collected: 06/14/21 13:20
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-4
Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,1,2,2-Tetrachloroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,1,2-Trichloroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,1-Dichloroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,1-Dichloroethene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2,4-Trichlorobenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2-Dibromoethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2-Dichloroethane	**14**	**vs**	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,2-Dichloropropane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,3-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
1,4-Dichlorobenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
2-Butanone (MEK)	ND	vs	30		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
2-Hexanone	ND	vs	30		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
4-Methyl-2-pentanone (MIBK)	ND	vs	30		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Acetone	ND	vs	30		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Benzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Bromodichloromethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Bromoform	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Bromomethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Carbon disulfide	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Carbon tetrachloride	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Chlorobenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Chloroethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Chloroform	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Chloromethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
cis-1,2-Dichloroethene	**110**	**vs**	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
cis-1,3-Dichloropropene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Cyclohexane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Dibromochloromethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Dichlorodifluoromethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Ethylbenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Isopropylbenzene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Methyl acetate	ND	vs	30		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Methyl tert-butyl ether	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Methylcyclohexane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Methylene Chloride	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Styrene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Tetrachloroethene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Toluene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
trans-1,2-Dichloroethene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
trans-1,3-Dichloropropene	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Trichloroethene	**5500**	**E vs**	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Trichlorofluoromethane	ND	vs	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Vinyl chloride	**8.1**	**vs**	6.0		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1
Xylenes, Total	ND	vs	12		ug/Kg	☼	06/16/21 20:19	06/17/21 03:14	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (32.5)
Date Collected: 06/14/21 13:20
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-4
Matrix: Solid
Percent Solids: 80.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	06/16/21 20:19	06/17/21 03:14	1
4-Bromofluorobenzene (Surr)	92		72 - 126	06/16/21 20:19	06/17/21 03:14	1
Dibromofluoromethane (Surr)	99		60 - 140	06/16/21 20:19	06/17/21 03:14	1
Toluene-d8 (Surr)	98		71 - 125	06/16/21 20:19	06/17/21 03:14	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,1-Dichloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,1-Dichloroethene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2-Dibromoethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2-Dichloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,2-Dichloropropane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
2-Butanone (MEK)	ND		5300		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
2-Hexanone	ND		5300		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
4-Methyl-2-pentanone (MIBK)	ND		5300		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Acetone	ND		5300		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Benzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Bromodichloromethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Bromoform	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Bromomethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Carbon disulfide	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Carbon tetrachloride	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Chlorobenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Chloroethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Chloroform	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Chloromethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Cyclohexane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Dibromochloromethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Ethylbenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Isopropylbenzene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Methyl acetate	ND		5300		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Methylcyclohexane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Methylene Chloride	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Styrene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Tetrachloroethene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Toluene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (32.5)
Date Collected: 06/14/21 13:20
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-4
Matrix: Solid
Percent Solids: 80.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Trichloroethene	**57000**		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Trichlorofluoromethane	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Vinyl chloride	ND		1100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8
Xylenes, Total	ND		2100		ug/Kg	☼	06/18/21 02:00	06/20/21 15:27	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*	*06/18/21 02:00*	*06/20/21 15:27*	*8*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*06/18/21 02:00*	*06/20/21 15:27*	*8*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*06/18/21 02:00*	*06/20/21 15:27*	*8*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/18/21 02:00*	*06/20/21 15:27*	*8*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (33)
Date Collected: 06/14/21 13:25
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-5
Matrix: Solid
Percent Solids: 78.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,1,2,2-Tetrachloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,1,2-Trichloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,1-Dichloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,1-Dichloroethene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2,4-Trichlorobenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2-Dibromo-3-Chloropropane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2-Dibromoethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2-Dichlorobenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2-Dichloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,2-Dichloropropane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,3-Dichlorobenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
1,4-Dichlorobenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
2-Hexanone	ND		14000		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Acetone	ND		14000		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Benzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Bromodichloromethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Bromoform	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Bromomethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Carbon disulfide	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Carbon tetrachloride	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Chlorobenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Chloroethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Chloroform	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Chloromethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
cis-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
cis-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Cyclohexane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Dibromochloromethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Dichlorodifluoromethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Ethylbenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Isopropylbenzene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Methyl acetate	ND		14000		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Methyl tert-butyl ether	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Methylcyclohexane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Methylene Chloride	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Styrene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Tetrachloroethene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Toluene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
trans-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
trans-1,3-Dichloropropene	ND	*+	2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Trichloroethene	**130000**		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Trichlorofluoromethane	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Vinyl chloride	ND		2800		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20
Xylenes, Total	ND		5600		ug/Kg	☼	06/18/21 02:00	06/20/21 15:50	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-55 (33)
Date Collected: 06/14/21 13:25
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-5
Matrix: Solid
Percent Solids: 78.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		53 - 146	06/18/21 02:00	06/20/21 15:50	20
4-Bromofluorobenzene (Surr)	100		49 - 148	06/18/21 02:00	06/20/21 15:50	20
Dibromofluoromethane (Surr)	92		60 - 140	06/18/21 02:00	06/20/21 15:50	20
Toluene-d8 (Surr)	91		50 - 149	06/18/21 02:00	06/20/21 15:50	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (10)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-6
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
2-Butanone (MEK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
2-Hexanone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Acetone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Benzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Bromoform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Chloroform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
cis-1,2-Dichloroethene	**73**	**vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Cyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Methyl acetate	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Styrene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Tetrachloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Toluene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Trichloroethene	**740**	**E vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	06/16/21 20:19	06/17/21 04:03	1

Client Sample ID: D-48 (10)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-6
Matrix: Solid
Percent Solids: 89.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*06/16/21 20:19*	*06/17/21 04:03*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*06/16/21 20:19*	*06/17/21 04:03*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*06/16/21 20:19*	*06/17/21 04:03*	*1*
Toluene-d8 (Surr)	*100*		*71 - 125*	*06/16/21 20:19*	*06/17/21 04:03*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
2-Butanone (MEK)	ND		580		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
2-Hexanone	ND		580		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
4-Methyl-2-pentanone (MIBK)	ND		580		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Acetone	ND		580		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Benzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Bromodichloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Bromoform	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Bromomethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Carbon disulfide	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Carbon tetrachloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Chlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Chloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Chloroform	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Chloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
cis-1,2-Dichloroethene	**120**		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Cyclohexane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Dibromochloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Ethylbenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Isopropylbenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Methyl acetate	ND		580		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Methylcyclohexane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Methylene Chloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Styrene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Tetrachloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Toluene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (10)
Date Collected: 06/14/21 14:00
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-6
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Trichloroethene	**3400**		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Vinyl chloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1
Xylenes, Total	ND		230		ug/Kg	☼	06/18/21 02:00	06/20/21 16:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/18/21 02:00*	*06/20/21 16:13*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*06/18/21 02:00*	*06/20/21 16:13*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*06/18/21 02:00*	*06/20/21 16:13*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/18/21 02:00*	*06/20/21 16:13*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (14.2)
Date Collected: 06/14/21 14:30
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-7
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,1,2-Trichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,1-Dichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,1-Dichloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2,4-Trichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2-Dibromoethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2-Dichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,2-Dichloropropane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,3-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
1,4-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
2-Butanone (MEK)	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
2-Hexanone	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Acetone	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Benzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Bromodichloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Bromoform	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Bromomethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Carbon disulfide	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Carbon tetrachloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Chlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Chloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Chloroform	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Chloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
cis-1,2-Dichloroethene	**11**	**vs**	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
cis-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Cyclohexane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Dibromochloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Dichlorodifluoromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Ethylbenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Isopropylbenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Methyl acetate	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Methyl tert-butyl ether	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Methylcyclohexane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Methylene Chloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Styrene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Tetrachloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Toluene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
trans-1,2-Dichloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
trans-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Trichloroethene	**230**	**E vs**	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Trichlorofluoromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Vinyl chloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	06/16/21 20:19	06/17/21 04:27	1

Client Sample ID: D-48 (14.2)
Date Collected: 06/14/21 14:30
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-7
Matrix: Solid
Percent Solids: 90.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*06/16/21 20:19*	*06/17/21 04:27*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*06/16/21 20:19*	*06/17/21 04:27*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*06/16/21 20:19*	*06/17/21 04:27*	*1*
Toluene-d8 (Surr)	*99*		*71 - 125*	*06/16/21 20:19*	*06/17/21 04:27*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
2-Butanone (MEK)	ND		570		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
2-Hexanone	ND		570		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
4-Methyl-2-pentanone (MIBK)	ND		570		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Acetone	ND		570		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Benzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Bromodichloromethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Bromoform	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Bromomethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Carbon disulfide	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Carbon tetrachloride	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Chlorobenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Chloroethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Chloroform	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Chloromethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Cyclohexane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Dibromochloromethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Ethylbenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Isopropylbenzene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Methyl acetate	ND		570		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Methylcyclohexane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Methylene Chloride	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Styrene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Tetrachloroethene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Toluene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (14.2)
Date Collected: 06/14/21 14:30
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-7
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Trichloroethene	**1300**		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Vinyl chloride	ND		110		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1
Xylenes, Total	ND		230		ug/Kg	☼	06/18/21 02:00	06/20/21 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*06/18/21 02:00*	*06/20/21 16:36*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/18/21 02:00*	*06/20/21 16:36*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*06/18/21 02:00*	*06/20/21 16:36*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*06/18/21 02:00*	*06/20/21 16:36*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (19)
Date Collected: 06/14/21 14:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-8
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
2-Butanone (MEK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
2-Hexanone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Acetone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Benzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Bromoform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Chloroform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
cis-1,2-Dichloroethene	**140**	**vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Cyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Methyl acetate	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Styrene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Tetrachloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Toluene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Trichloroethene	**3600**	**E vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	06/16/21 20:19	06/17/21 04:52	1

Client Sample ID: D-48 (19)
Date Collected: 06/14/21 14:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-8
Matrix: Solid
Percent Solids: 89.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	06/16/21 20:19	06/17/21 04:52	1
4-Bromofluorobenzene (Surr)	93		72 - 126	06/16/21 20:19	06/17/21 04:52	1
Dibromofluoromethane (Surr)	98		60 - 140	06/16/21 20:19	06/17/21 04:52	1
Toluene-d8 (Surr)	101		71 - 125	06/16/21 20:19	06/17/21 04:52	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
2-Butanone (MEK)	ND		590		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
2-Hexanone	ND		590		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
4-Methyl-2-pentanone (MIBK)	ND		590		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Acetone	ND		590		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Benzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Bromodichloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Bromoform	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Bromomethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Carbon disulfide	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Carbon tetrachloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Chlorobenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Chloroethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Chloroform	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Chloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
cis-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Cyclohexane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Dibromochloromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Ethylbenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Isopropylbenzene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Methyl acetate	ND		590		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Methylcyclohexane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Methylene Chloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Styrene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Tetrachloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Toluene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (19)
Date Collected: 06/14/21 14:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-8
Matrix: Solid
Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Trichloroethene	**4600**		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Vinyl chloride	ND		120		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1
Xylenes, Total	ND		240		ug/Kg	☼	06/18/21 02:00	06/20/21 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*53 - 146*	*06/18/21 02:00*	*06/20/21 16:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/18/21 02:00*	*06/20/21 16:59*	*1*
Dibromofluoromethane (Surr)	*82*		*60 - 140*	*06/18/21 02:00*	*06/20/21 16:59*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/18/21 02:00*	*06/20/21 16:59*	*1*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (21.5)
Date Collected: 06/14/21 14:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-9
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,1,2,2-Tetrachloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,1,2-Trichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,1-Dichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,1-Dichloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2,4-Trichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2-Dibromoethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2-Dichloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,2-Dichloropropane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,3-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
1,4-Dichlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
2-Butanone (MEK)	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
2-Hexanone	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Acetone	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Benzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Bromodichloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Bromoform	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Bromomethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Carbon disulfide	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Carbon tetrachloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Chlorobenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Chloroethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Chloroform	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Chloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
cis-1,2-Dichloroethene	**19**	**vs**	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
cis-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Cyclohexane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Dibromochloromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Dichlorodifluoromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Ethylbenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Isopropylbenzene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Methyl acetate	ND	vs	27		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Methyl tert-butyl ether	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Methylcyclohexane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Methylene Chloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Styrene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Tetrachloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Toluene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
trans-1,2-Dichloroethene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
trans-1,3-Dichloropropene	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Trichloroethene	**4100**	**E vs**	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Trichlorofluoromethane	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Vinyl chloride	ND	vs	5.4		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	06/16/21 20:19	06/17/21 05:16	1

Client Sample ID: D-48 (21.5)
Date Collected: 06/14/21 14:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-9
Matrix: Solid
Percent Solids: 90.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*06/16/21 20:19*	*06/17/21 05:16*	*1*
4-Bromofluorobenzene (Surr)	*82*		*72 - 126*	*06/16/21 20:19*	*06/17/21 05:16*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*06/16/21 20:19*	*06/17/21 05:16*	*1*
Toluene-d8 (Surr)	*104*		*71 - 125*	*06/16/21 20:19*	*06/17/21 05:16*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,1,2,2-Tetrachloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,1,2-Trichloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,1-Dichloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,1-Dichloroethene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2,4-Trichlorobenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2-Dibromoethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2-Dichlorobenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2-Dichloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,2-Dichloropropane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,3-Dichlorobenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
1,4-Dichlorobenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
2-Hexanone	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Acetone	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Benzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Bromodichloromethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Bromoform	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Bromomethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Carbon disulfide	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Carbon tetrachloride	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Chlorobenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Chloroethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Chloroform	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Chloromethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
cis-1,2-Dichloroethene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
cis-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Cyclohexane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Dibromochloromethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Dichlorodifluoromethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Ethylbenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Isopropylbenzene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Methyl acetate	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Methyl tert-butyl ether	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Methylcyclohexane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Methylene Chloride	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Styrene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Tetrachloroethene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Toluene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
trans-1,2-Dichloroethene	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (21.5)
Date Collected: 06/14/21 14:55
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-9
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Trichloroethene	**26000**		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Trichlorofluoromethane	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Vinyl chloride	ND		450		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4
Xylenes, Total	ND		910		ug/Kg	☼	06/18/21 02:00	06/20/21 17:22	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*	*06/18/21 02:00*	*06/20/21 17:22*	*4*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/18/21 02:00*	*06/20/21 17:22*	*4*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*06/18/21 02:00*	*06/20/21 17:22*	*4*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/18/21 02:00*	*06/20/21 17:22*	*4*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (29.5)
Date Collected: 06/14/21 15:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
2-Butanone (MEK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
2-Hexanone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Acetone	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Benzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Bromoform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Chloroform	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
cis-1,2-Dichloroethene	**78**	**vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Cyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Methyl acetate	ND	vs	28		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Styrene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Tetrachloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Toluene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Trichloroethene	**4800**	**E vs**	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	06/16/21 20:19	06/17/21 05:41	1

Client Sample ID: D-48 (29.5)
Date Collected: 06/14/21 15:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-10
Matrix: Solid
Percent Solids: 87.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*06/16/21 20:19*	*06/17/21 05:41*	*1*
4-Bromofluorobenzene (Surr)	*80*		*72 - 126*	*06/16/21 20:19*	*06/17/21 05:41*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*06/16/21 20:19*	*06/17/21 05:41*	*1*
Toluene-d8 (Surr)	*104*		*71 - 125*	*06/16/21 20:19*	*06/17/21 05:41*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
2-Butanone (MEK)	ND		5900		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
2-Hexanone	ND		5900		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
4-Methyl-2-pentanone (MIBK)	ND		5900		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Acetone	ND		5900		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Benzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Bromodichloromethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Bromoform	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Bromomethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Carbon disulfide	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Chlorobenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Chloroethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Chloroform	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Chloromethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Cyclohexane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Dibromochloromethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Dichlorodifluoromethane	ND	F2	1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Ethylbenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Isopropylbenzene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Methyl acetate	ND		5900		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Methylcyclohexane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Methylene Chloride	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Styrene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Tetrachloroethene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Toluene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Client Sample ID: D-48 (29.5)
Date Collected: 06/14/21 15:40
Date Received: 06/15/21 10:00

Lab Sample ID: 480-186029-10
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND	*+	1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Trichloroethene	**42000**		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Vinyl chloride	ND		1200		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10
Xylenes, Total	ND		2300		ug/Kg	☼	06/18/21 02:00	06/20/21 17:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*53 - 146*	*06/18/21 02:00*	*06/20/21 17:46*	*10*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*06/18/21 02:00*	*06/20/21 17:46*	*10*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*06/18/21 02:00*	*06/20/21 17:46*	*10*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/18/21 02:00*	*06/20/21 17:46*	*10*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-186029-1	D-55 (28.5-28.6)	98	95	98	102
480-186029-2	D-55 (29)	98	86	98	106
480-186029-3	D-55 (32.2)	101	88	98	101
480-186029-4	D-55 (32.5)	99	92	99	98
480-186029-6	D-48 (10)	100	94	97	100
480-186029-7	D-48 (14.2)	102	91	99	99
480-186029-8	D-48 (19)	97	93	98	101
480-186029-9	D-48 (21.5)	98	82	98	104
480-186029-10	D-48 (29.5)	101	80	100	104
LCS 480-585779/1-A	Lab Control Sample	98	95	97	99
MB 480-585779/2-A	Method Blank	98	96	98	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186029-2 - DL	D-55 (29)	87	101	88	92
480-186029-3 - DL	D-55 (32.2)	85	104	87	93
480-186029-4 - DL	D-55 (32.5)	89	101	89	91
480-186029-5	D-55 (33)	88	100	92	91
480-186029-6 - DL	D-48 (10)	91	101	88	92
480-186029-7 - DL	D-48 (14.2)	90	100	90	94
480-186029-8 - DL	D-48 (19)	84	100	82	92
480-186029-9 - DL	D-48 (21.5)	89	100	89	92
480-186029-10 - DL	D-48 (29.5)	88	102	90	92
480-186029-10 MS	D-48 (29.5)	91	101	94	91
480-186029-10 MSD	D-48 (29.5)	85	105	90	94
LCS 480-585966/1-A	Lab Control Sample	94	99	94	90
MB 480-585966/2-A	Method Blank	95	100	93	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-585779/2-A
Matrix: Solid
Analysis Batch: 585762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,1-Dichloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,1-Dichloroethene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2-Dibromoethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2-Dichloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,2-Dichloropropane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
2-Butanone (MEK)	ND		25		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
2-Hexanone	ND		25		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Acetone	ND		25		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Benzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Bromodichloromethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Bromoform	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Bromomethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Carbon disulfide	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Carbon tetrachloride	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Chlorobenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Chloroethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Chloroform	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Chloromethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Cyclohexane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Dibromochloromethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Ethylbenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Isopropylbenzene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Methyl acetate	ND		25		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Methylcyclohexane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Methylene Chloride	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Styrene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Tetrachloroethene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Toluene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Trichloroethene	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Trichlorofluoromethane	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Vinyl chloride	ND		5.0		ug/Kg		06/16/21 20:19	06/16/21 21:33	1
Xylenes, Total	ND		10		ug/Kg		06/16/21 20:19	06/16/21 21:33	1

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

Lab Sample ID: MB 480-585779/2-A
Matrix: Solid
Analysis Batch: 585762

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585779

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*06/16/21 20:19*	*06/16/21 21:33*	*1*
4-Bromofluorobenzene (Surr)	*96*		*72 - 126*	*06/16/21 20:19*	*06/16/21 21:33*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*06/16/21 20:19*	*06/16/21 21:33*	*1*
Toluene-d8 (Surr)	*101*		*71 - 125*	*06/16/21 20:19*	*06/16/21 21:33*	*1*

Lab Sample ID: LCS 480-585779/1-A
Matrix: Solid
Analysis Batch: 585762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	47.9		ug/Kg		96	77 - 121
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/Kg		108	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	45.8		ug/Kg		92	60 - 140
1,1,2-Trichloroethane	50.0	51.1		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	47.6		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	47.5		ug/Kg		95	59 - 125
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.8		ug/Kg		108	63 - 124
1,2-Dibromoethane	50.0	51.1		ug/Kg		102	78 - 120
1,2-Dichlorobenzene	50.0	49.8		ug/Kg		100	75 - 120
1,2-Dichloroethane	50.0	46.3		ug/Kg		93	77 - 122
1,2-Dichloropropane	50.0	48.7		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	50.9		ug/Kg		102	74 - 120
1,4-Dichlorobenzene	50.0	51.9		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	238		ug/Kg		95	70 - 134
2-Hexanone	250	257		ug/Kg		103	59 - 130
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	65 - 133
Acetone	250	216		ug/Kg		87	61 - 137
Benzene	50.0	49.2		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	51.9		ug/Kg		104	80 - 122
Bromoform	50.0	51.4		ug/Kg		103	68 - 126
Bromomethane	50.0	54.9		ug/Kg		110	37 - 149
Carbon disulfide	50.0	47.5		ug/Kg		95	64 - 131
Carbon tetrachloride	50.0	49.9		ug/Kg		100	75 - 135
Chlorobenzene	50.0	50.7		ug/Kg		101	76 - 124
Chloroethane	50.0	65.6		ug/Kg		131	69 - 135
Chloroform	50.0	47.8		ug/Kg		96	80 - 120
Chloromethane	50.0	49.8		ug/Kg		100	63 - 127
cis-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	81 - 120
cis-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	80 - 120
Cyclohexane	50.0	42.8		ug/Kg		86	65 - 120
Dibromochloromethane	50.0	56.2		ug/Kg		112	76 - 125
Dichlorodifluoromethane	50.0	40.8		ug/Kg		82	57 - 142
Ethylbenzene	50.0	50.5		ug/Kg		101	80 - 120
Isopropylbenzene	50.0	50.8		ug/Kg		102	72 - 120
Methyl acetate	100	90.6		ug/Kg		91	55 - 136
Methyl tert-butyl ether	50.0	48.3		ug/Kg		97	63 - 125
Methylcyclohexane	50.0	45.0		ug/Kg		90	60 - 140

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

Lab Sample ID: LCS 480-585779/1-A
Matrix: Solid
Analysis Batch: 585762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	50.0	50.9		ug/Kg		102	61 - 127
Styrene	50.0	49.3		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	49.1		ug/Kg		98	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	78 - 126
trans-1,3-Dichloropropene	50.0	54.1		ug/Kg		108	73 - 123
Trichloroethene	50.0	48.6		ug/Kg		97	77 - 129
Trichlorofluoromethane	50.0	50.3		ug/Kg		101	65 - 146
Vinyl chloride	50.0	55.0		ug/Kg		110	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*
Dibromofluoromethane (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*99*		*71 - 125*

Lab Sample ID: MB 480-585966/2-A
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,1-Dichloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,1-Dichloroethene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2-Dibromoethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2-Dichloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,2-Dichloropropane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
2-Butanone (MEK)	ND		500		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
2-Hexanone	ND		500		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Acetone	ND		500		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Benzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Bromodichloromethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Bromoform	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Bromomethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Carbon disulfide	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Carbon tetrachloride	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Chlorobenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Chloroethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Chloroform	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1

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

Lab Sample ID: MB 480-585966/2-A
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 585966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Cyclohexane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Dibromochloromethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Ethylbenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Isopropylbenzene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Methyl acetate	ND		500		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Methylcyclohexane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Methylene Chloride	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Styrene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Tetrachloroethene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Toluene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Trichloroethene	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Trichlorofluoromethane	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Vinyl chloride	ND		100		ug/Kg		06/18/21 02:00	06/20/21 10:51	1
Xylenes, Total	ND		200		ug/Kg		06/18/21 02:00	06/20/21 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*06/18/21 02:00*	*06/20/21 10:51*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/18/21 02:00*	*06/20/21 10:51*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/18/21 02:00*	*06/20/21 10:51*	*1*
Toluene-d8 (Surr)	*88*		*50 - 149*	*06/18/21 02:00*	*06/20/21 10:51*	*1*

Lab Sample ID: LCS 480-585966/1-A
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2900		ug/Kg		116	68 - 130
1,1,2,2-Tetrachloroethane	2500	2670		ug/Kg		107	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	3170		ug/Kg		127	10 - 179
1,1,2-Trichloroethane	2500	2860		ug/Kg		114	80 - 120
1,1-Dichloroethane	2500	2860		ug/Kg		115	78 - 121
1,1-Dichloroethene	2500	2940		ug/Kg		118	48 - 133
1,2,4-Trichlorobenzene	2500	2740		ug/Kg		110	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2600		ug/Kg		104	56 - 122
1,2-Dibromoethane	2500	2880		ug/Kg		115	80 - 120
1,2-Dichlorobenzene	2500	2610		ug/Kg		104	78 - 125
1,2-Dichloroethane	2500	2880		ug/Kg		115	74 - 127
1,2-Dichloropropane	2500	2780		ug/Kg		111	80 - 120
1,3-Dichlorobenzene	2500	2670		ug/Kg		107	80 - 120
1,4-Dichlorobenzene	2500	2570		ug/Kg		103	80 - 120
2-Butanone (MEK)	12500	14200		ug/Kg		113	54 - 149

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

Lab Sample ID: LCS 480-585966/1-A
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	12500	13900		ug/Kg		112	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	13600		ug/Kg		109	74 - 120
Acetone	12500	13600		ug/Kg		109	47 - 141
Benzene	2500	2850		ug/Kg		114	77 - 125
Bromodichloromethane	2500	2990		ug/Kg		120	71 - 121
Bromoform	2500	2800		ug/Kg		112	48 - 125
Bromomethane	2500	2120		ug/Kg		85	39 - 149
Carbon disulfide	2500	2760		ug/Kg		110	40 - 136
Carbon tetrachloride	2500	2960		ug/Kg		118	54 - 135
Chlorobenzene	2500	2930		ug/Kg		117	76 - 126
Chloroethane	2500	2180		ug/Kg		87	23 - 150
Chloroform	2500	2760		ug/Kg		110	78 - 120
Chloromethane	2500	2730		ug/Kg		109	61 - 124
cis-1,2-Dichloroethene	2500	2790		ug/Kg		112	79 - 124
cis-1,3-Dichloropropene	2500	3030		ug/Kg		121	75 - 121
Cyclohexane	2500	2980		ug/Kg		119	49 - 129
Dibromochloromethane	2500	2850		ug/Kg		114	64 - 120
Dichlorodifluoromethane	2500	2120		ug/Kg		85	10 - 150
Ethylbenzene	2500	2960		ug/Kg		119	78 - 124
Isopropylbenzene	2500	2950		ug/Kg		118	76 - 120
Methyl acetate	5000	5490		ug/Kg		110	71 - 123
Methyl tert-butyl ether	2500	2820		ug/Kg		113	67 - 137
Methylcyclohexane	2500	3200		ug/Kg		128	50 - 130
Methylene Chloride	2500	2910		ug/Kg		116	75 - 118
Styrene	2500	2940		ug/Kg		117	80 - 120
Tetrachloroethene	2500	2710		ug/Kg		108	73 - 133
Toluene	2500	2890		ug/Kg		116	75 - 124
trans-1,2-Dichloroethene	2500	2830		ug/Kg		113	74 - 129
trans-1,3-Dichloropropene	2500	3100	*+	ug/Kg		124	73 - 120
Trichloroethene	2500	2980		ug/Kg		119	75 - 131
Trichlorofluoromethane	2500	2660		ug/Kg		106	29 - 158
Vinyl chloride	2500	2900		ug/Kg		116	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*90*		*50 - 149*

Lab Sample ID: 480-186029-10 MS
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: D-48 (29.5)
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2790	2750		ug/Kg	☼	99	64 - 142
1,1,2,2-Tetrachloroethane	ND		2790	3070		ug/Kg	☼	110	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2790	3200		ug/Kg	☼	115	64 - 154
1,1,2-Trichloroethane	ND		2790	3210		ug/Kg	☼	115	63 - 133

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

Lab Sample ID: 480-186029-10 MS
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: D-48 (29.5)
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	ND		2790	2990		ug/Kg	☼	107	64 - 135
1,1-Dichloroethene	ND		2790	3250		ug/Kg	☼	117	62 - 145
1,2,4-Trichlorobenzene	ND		2790	2930		ug/Kg	☼	105	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2790	2270		ug/Kg	☼	81	40 - 122
1,2-Dibromoethane	ND		2790	3070		ug/Kg	☼	110	65 - 133
1,2-Dichlorobenzene	ND		2790	2820		ug/Kg	☼	101	68 - 133
1,2-Dichloroethane	ND		2790	2860		ug/Kg	☼	103	62 - 135
1,2-Dichloropropane	ND		2790	2860		ug/Kg	☼	103	67 - 139
1,3-Dichlorobenzene	ND		2790	2810		ug/Kg	☼	101	68 - 136
1,4-Dichlorobenzene	ND		2790	2640		ug/Kg	☼	95	69 - 136
2-Butanone (MEK)	ND		13900	15700		ug/Kg	☼	113	46 - 132
2-Hexanone	ND		13900	14600		ug/Kg	☼	105	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		13900	14400		ug/Kg	☼	103	49 - 125
Acetone	ND		13900	16100		ug/Kg	☼	116	32 - 136
Benzene	ND		2790	3130		ug/Kg	☼	112	68 - 137
Bromodichloromethane	ND		2790	2660		ug/Kg	☼	95	62 - 136
Bromoform	ND		2790	2220		ug/Kg	☼	80	43 - 134
Bromomethane	ND		2790	3430		ug/Kg	☼	123	38 - 137
Carbon disulfide	ND		2790	2880		ug/Kg	☼	103	52 - 139
Carbon tetrachloride	ND		2790	2710		ug/Kg	☼	97	60 - 150
Chlorobenzene	ND		2790	3030		ug/Kg	☼	109	67 - 136
Chloroethane	ND		2790	3830		ug/Kg	☼	138	34 - 140
Chloroform	ND		2790	2890		ug/Kg	☼	104	64 - 133
Chloromethane	ND		2790	3070		ug/Kg	☼	110	47 - 143
cis-1,2-Dichloroethene	ND		2790	3290		ug/Kg	☼	118	65 - 137
cis-1,3-Dichloropropene	ND		2790	3010		ug/Kg	☼	108	61 - 148
Cyclohexane	ND		2790	3350		ug/Kg	☼	120	63 - 149
Dibromochloromethane	ND		2790	2390		ug/Kg	☼	86	57 - 137
Dichlorodifluoromethane	ND	F2	2790	2590		ug/Kg	☼	93	26 - 150
Ethylbenzene	ND		2790	3100		ug/Kg	☼	111	67 - 136
Isopropylbenzene	ND		2790	3160		ug/Kg	☼	113	65 - 147
Methyl acetate	ND		5570	ND		ug/Kg	☼	104	50 - 124
Methyl tert-butyl ether	ND		2790	3230		ug/Kg	☼	116	60 - 130
Methylcyclohexane	ND		2790	3260		ug/Kg	☼	117	67 - 150
Methylene Chloride	ND		2790	2620		ug/Kg	☼	94	63 - 138
Styrene	ND		2790	2830		ug/Kg	☼	101	68 - 137
Tetrachloroethene	ND		2790	2700		ug/Kg	☼	97	67 - 150
Toluene	ND		2790	3100		ug/Kg	☼	111	68 - 137
trans-1,2-Dichloroethene	ND		2790	2860		ug/Kg	☼	103	65 - 138
trans-1,3-Dichloropropene	ND	*+	2790	2700		ug/Kg	☼	97	58 - 143
Trichloroethene	42000		2790	43100	4	ug/Kg	☼	58	69 - 143
Trichlorofluoromethane	ND		2790	2880		ug/Kg	☼	103	35 - 150
Vinyl chloride	ND		2790	3090		ug/Kg	☼	111	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

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

Lab Sample ID: 480-186029-10 MS
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: D-48 (29.5)
Prep Type: Total/NA
Prep Batch: 585966

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	91		50 - 149

Lab Sample ID: 480-186029-10 MSD
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: D-48 (29.5)
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2770	2580		ug/Kg	☼	93	64 - 142	6	20
1,1,2,2-Tetrachloroethane	ND		2770	2940		ug/Kg	☼	106	56 - 128	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2770	3070		ug/Kg	☼	111	64 - 154	4	20
1,1,2-Trichloroethane	ND		2770	2990		ug/Kg	☼	108	63 - 133	7	20
1,1-Dichloroethane	ND		2770	2860		ug/Kg	☼	103	64 - 135	4	20
1,1-Dichloroethene	ND		2770	3100		ug/Kg	☼	112	62 - 145	5	20
1,2,4-Trichlorobenzene	ND		2770	2660		ug/Kg	☼	96	56 - 145	10	20
1,2-Dibromo-3-Chloropropane	ND		2770	1920		ug/Kg	☼	69	40 - 122	17	20
1,2-Dibromoethane	ND		2770	3080		ug/Kg	☼	111	65 - 133	1	20
1,2-Dichlorobenzene	ND		2770	2500		ug/Kg	☼	90	68 - 133	12	20
1,2-Dichloroethane	ND		2770	2470		ug/Kg	☼	89	62 - 135	15	20
1,2-Dichloropropane	ND		2770	2620		ug/Kg	☼	94	67 - 139	9	20
1,3-Dichlorobenzene	ND		2770	2530		ug/Kg	☼	91	68 - 136	10	20
1,4-Dichlorobenzene	ND		2770	2520		ug/Kg	☼	91	69 - 136	5	20
2-Butanone (MEK)	ND		13900	13900		ug/Kg	☼	100	46 - 132	12	20
2-Hexanone	ND		13900	14800		ug/Kg	☼	107	44 - 130	1	20
4-Methyl-2-pentanone (MIBK)	ND		13900	14900		ug/Kg	☼	108	49 - 125	4	20
Acetone	ND		13900	14800		ug/Kg	☼	107	32 - 136	9	20
Benzene	ND		2770	2720		ug/Kg	☼	98	68 - 137	14	20
Bromodichloromethane	ND		2770	2570		ug/Kg	☼	93	62 - 136	3	20
Bromoform	ND		2770	2260		ug/Kg	☼	81	43 - 134	1	20
Bromomethane	ND		2770	3120		ug/Kg	☼	112	38 - 137	10	20
Carbon disulfide	ND		2770	2560		ug/Kg	☼	92	52 - 139	12	20
Carbon tetrachloride	ND		2770	2300		ug/Kg	☼	83	60 - 150	16	20
Chlorobenzene	ND		2770	3010		ug/Kg	☼	109	67 - 136	1	20
Chloroethane	ND		2770	3170		ug/Kg	☼	115	34 - 140	19	20
Chloroform	ND		2770	2630		ug/Kg	☼	95	64 - 133	9	20
Chloromethane	ND		2770	2970		ug/Kg	☼	107	47 - 143	3	20
cis-1,2-Dichloroethene	ND		2770	2790		ug/Kg	☼	101	65 - 137	16	20
cis-1,3-Dichloropropene	ND		2770	2660		ug/Kg	☼	96	61 - 148	12	20
Cyclohexane	ND		2770	2770		ug/Kg	☼	100	63 - 149	19	20
Dibromochloromethane	ND		2770	2290		ug/Kg	☼	83	57 - 137	4	20
Dichlorodifluoromethane	ND	F2	2770	2010	F2	ug/Kg	☼	72	26 - 150	25	20
Ethylbenzene	ND		2770	2850		ug/Kg	☼	103	67 - 136	8	20
Isopropylbenzene	ND		2770	2880		ug/Kg	☼	104	65 - 147	9	20
Methyl acetate	ND		5540	ND		ug/Kg	☼	99	50 - 124	6	20
Methyl tert-butyl ether	ND		2770	3100		ug/Kg	☼	112	60 - 130	4	20
Methylcyclohexane	ND		2770	2850		ug/Kg	☼	103	67 - 150	13	20
Methylene Chloride	ND		2770	2730		ug/Kg	☼	99	63 - 138	4	20
Styrene	ND		2770	2670		ug/Kg	☼	96	68 - 137	6	20
Tetrachloroethene	ND		2770	2510		ug/Kg	☼	91	67 - 150	7	20

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

Lab Sample ID: 480-186029-10 MSD
Matrix: Solid
Analysis Batch: 586156

Client Sample ID: D-48 (29.5)
Prep Type: Total/NA
Prep Batch: 585966

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	ND		2770	2930		ug/Kg	☼	106	68 - 137	6	20
trans-1,2-Dichloroethene	ND		2770	2610		ug/Kg	☼	94	65 - 138	9	20
trans-1,3-Dichloropropene	ND	*+	2770	2670		ug/Kg	☼	96	58 - 143	1	20
Trichloroethene	42000		2770	39400	4	ug/Kg	☼	-77	69 - 143	9	20
Trichlorofluoromethane	ND		2770	2530		ug/Kg	☼	91	35 - 150	13	20
Vinyl chloride	ND		2770	2800		ug/Kg	☼	101	56 - 150	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*90*		*60 - 140*
Toluene-d8 (Surr)	*94*		*50 - 149*

GC/MS VOA

Analysis Batch: 585762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-1	D-55 (28.5-28.6)	Total/NA	Solid	8260C	585779
480-186029-2	D-55 (29)	Total/NA	Solid	8260C	585779
480-186029-3	D-55 (32.2)	Total/NA	Solid	8260C	585779
480-186029-4	D-55 (32.5)	Total/NA	Solid	8260C	585779
480-186029-6	D-48 (10)	Total/NA	Solid	8260C	585779
480-186029-7	D-48 (14.2)	Total/NA	Solid	8260C	585779
480-186029-8	D-48 (19)	Total/NA	Solid	8260C	585779
480-186029-9	D-48 (21.5)	Total/NA	Solid	8260C	585779
480-186029-10	D-48 (29.5)	Total/NA	Solid	8260C	585779
MB 480-585779/2-A	Method Blank	Total/NA	Solid	8260C	585779
LCS 480-585779/1-A	Lab Control Sample	Total/NA	Solid	8260C	585779

Prep Batch: 585779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-1	D-55 (28.5-28.6)	Total/NA	Solid	5035A_L	
480-186029-2	D-55 (29)	Total/NA	Solid	5035A_L	
480-186029-3	D-55 (32.2)	Total/NA	Solid	5035A_L	
480-186029-4	D-55 (32.5)	Total/NA	Solid	5035A_L	
480-186029-6	D-48 (10)	Total/NA	Solid	5035A_L	
480-186029-7	D-48 (14.2)	Total/NA	Solid	5035A_L	
480-186029-8	D-48 (19)	Total/NA	Solid	5035A_L	
480-186029-9	D-48 (21.5)	Total/NA	Solid	5035A_L	
480-186029-10	D-48 (29.5)	Total/NA	Solid	5035A_L	
MB 480-585779/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-585779/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 585966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-2 - DL	D-55 (29)	Total/NA	Solid	5035A_H	
480-186029-3 - DL	D-55 (32.2)	Total/NA	Solid	5035A_H	
480-186029-4 - DL	D-55 (32.5)	Total/NA	Solid	5035A_H	
480-186029-5	D-55 (33)	Total/NA	Solid	5035A_H	
480-186029-6 - DL	D-48 (10)	Total/NA	Solid	5035A_H	
480-186029-7 - DL	D-48 (14.2)	Total/NA	Solid	5035A_H	
480-186029-8 - DL	D-48 (19)	Total/NA	Solid	5035A_H	
480-186029-9 - DL	D-48 (21.5)	Total/NA	Solid	5035A_H	
480-186029-10 - DL	D-48 (29.5)	Total/NA	Solid	5035A_H	
MB 480-585966/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-585966/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186029-10 MS	D-48 (29.5)	Total/NA	Solid	5035A_H	
480-186029-10 MSD	D-48 (29.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 586156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-2 - DL	D-55 (29)	Total/NA	Solid	8260C	585966
480-186029-3 - DL	D-55 (32.2)	Total/NA	Solid	8260C	585966
480-186029-4 - DL	D-55 (32.5)	Total/NA	Solid	8260C	585966
480-186029-5	D-55 (33)	Total/NA	Solid	8260C	585966
480-186029-6 - DL	D-48 (10)	Total/NA	Solid	8260C	585966
480-186029-7 - DL	D-48 (14.2)	Total/NA	Solid	8260C	585966
480-186029-8 - DL	D-48 (19)	Total/NA	Solid	8260C	585966

GC/MS VOA (Continued)

Analysis Batch: 586156 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-9 - DL	D-48 (21.5)	Total/NA	Solid	8260C	585966
480-186029-10 - DL	D-48 (29.5)	Total/NA	Solid	8260C	585966
MB 480-585966/2-A	Method Blank	Total/NA	Solid	8260C	585966
LCS 480-585966/1-A	Lab Control Sample	Total/NA	Solid	8260C	585966
480-186029-10 MS	D-48 (29.5)	Total/NA	Solid	8260C	585966
480-186029-10 MSD	D-48 (29.5)	Total/NA	Solid	8260C	585966

General Chemistry

Analysis Batch: 585540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186029-1	D-55 (28.5-28.6)	Total/NA	Solid	Moisture	
480-186029-2	D-55 (29)	Total/NA	Solid	Moisture	
480-186029-3	D-55 (32.2)	Total/NA	Solid	Moisture	
480-186029-4	D-55 (32.5)	Total/NA	Solid	Moisture	
480-186029-5	D-55 (33)	Total/NA	Solid	Moisture	
480-186029-6	D-48 (10)	Total/NA	Solid	Moisture	
480-186029-7	D-48 (14.2)	Total/NA	Solid	Moisture	
480-186029-8	D-48 (19)	Total/NA	Solid	Moisture	
480-186029-9	D-48 (21.5)	Total/NA	Solid	Moisture	
480-186029-10	D-48 (29.5)	Total/NA	Solid	Moisture	

Client Sample ID: D-55 (28.5-28.6)
Lab Sample ID: 480-186029-1
Date Collected: 06/14/21 14:20
Matrix: Solid
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-55 (28.5-28.6)
Lab Sample ID: 480-186029-1
Date Collected: 06/14/21 14:20
Matrix: Solid
Date Received: 06/15/21 10:00
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 02:01	WJD	TAL BUF

Client Sample ID: D-55 (29)
Lab Sample ID: 480-186029-2
Date Collected: 06/14/21 12:55
Matrix: Solid
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-55 (29)
Lab Sample ID: 480-186029-2
Date Collected: 06/14/21 12:55
Matrix: Solid
Date Received: 06/15/21 10:00
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 02:25	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	8	586156	06/20/21 14:41	WJD	TAL BUF

Client Sample ID: D-55 (32.2)
Lab Sample ID: 480-186029-3
Date Collected: 06/14/21 14:00
Matrix: Solid
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-55 (32.2)
Lab Sample ID: 480-186029-3
Date Collected: 06/14/21 14:00
Matrix: Solid
Date Received: 06/15/21 10:00
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 02:49	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	586156	06/20/21 15:04	WJD	TAL BUF

Client Sample ID: D-55 (32.5) — **Lab Sample ID: 480-186029-4**
Date Collected: 06/14/21 13:20 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-55 (32.5) — **Lab Sample ID: 480-186029-4**
Date Collected: 06/14/21 13:20 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 80.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 03:14	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	8	586156	06/20/21 15:27	WJD	TAL BUF

Client Sample ID: D-55 (33) — **Lab Sample ID: 480-186029-5**
Date Collected: 06/14/21 13:25 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-55 (33) — **Lab Sample ID: 480-186029-5**
Date Collected: 06/14/21 13:25 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 78.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586156	06/20/21 15:50	WJD	TAL BUF

Client Sample ID: D-48 (10) — **Lab Sample ID: 480-186029-6**
Date Collected: 06/14/21 14:00 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-48 (10) — **Lab Sample ID: 480-186029-6**
Date Collected: 06/14/21 14:00 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 89.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 04:03	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	1	586156	06/20/21 16:13	WJD	TAL BUF

Client Sample ID: D-48 (14.2) — **Lab Sample ID: 480-186029-7**
Date Collected: 06/14/21 14:30 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-48 (14.2) — **Lab Sample ID: 480-186029-7**
Date Collected: 06/14/21 14:30 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 04:27	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	1	586156	06/20/21 16:36	WJD	TAL BUF

Client Sample ID: D-48 (19) — **Lab Sample ID: 480-186029-8**
Date Collected: 06/14/21 14:40 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-48 (19) — **Lab Sample ID: 480-186029-8**
Date Collected: 06/14/21 14:40 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 89.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 04:52	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	1	586156	06/20/21 16:59	WJD	TAL BUF

Client Sample ID: D-48 (21.5) — **Lab Sample ID: 480-186029-9**
Date Collected: 06/14/21 14:55 — **Matrix: Solid**
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-48 (21.5) — **Lab Sample ID: 480-186029-9**
Date Collected: 06/14/21 14:55 — **Matrix: Solid**
Date Received: 06/15/21 10:00 — **Percent Solids: 90.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 05:16	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	4	586156	06/20/21 17:22	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-186029-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: D-48 (29.5)
Lab Sample ID: 480-186029-10
Date Collected: 06/14/21 15:40
Matrix: Solid
Date Received: 06/15/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585540	06/15/21 17:33	DSC	TAL BUF

Client Sample ID: D-48 (29.5)
Lab Sample ID: 480-186029-10
Date Collected: 06/14/21 15:40
Matrix: Solid
Date Received: 06/15/21 10:00
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			585779	06/16/21 20:19	WJD	TAL BUF
Total/NA	Analysis	8260C		1	585762	06/17/21 05:41	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		585966	06/18/21 02:00	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	10	586156	06/20/21 17:46	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186029-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186029-1	D-55 (28.5-28.6)	Solid	06/14/21 14:20	06/15/21 10:00	
480-186029-2	D-55 (29)	Solid	06/14/21 12:55	06/15/21 10:00	
480-186029-3	D-55 (32.2)	Solid	06/14/21 14:00	06/15/21 10:00	
480-186029-4	D-55 (32.5)	Solid	06/14/21 13:20	06/15/21 10:00	
480-186029-5	D-55 (33)	Solid	06/14/21 13:25	06/15/21 10:00	
480-186029-6	D-48 (10)	Solid	06/14/21 14:00	06/15/21 10:00	
480-186029-7	D-48 (14.2)	Solid	06/14/21 14:30	06/15/21 10:00	
480-186029-8	D-48 (19)	Solid	06/14/21 14:40	06/15/21 10:00	
480-186029-9	D-48 (21.5)	Solid	06/14/21 14:55	06/15/21 10:00	
480-186029-10	D-48 (29.5)	Solid	06/14/21 15:40	06/15/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:	Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes: A - HCL
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			Z - other (specify)
Site:	SSOW#:			Other:

480-186029 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of cont	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-55 (28.5-28.6)	6/14/21	1420	G	Solid			X			1	
D-55 (29)	6/14/21	1255	G	Solid			X			1	
D-55 (32.2)	6/14/21	1400	G	Solid			X			1	
D-55 (32.5)	6/14/21	1320	G	Solid			X			1	
D-55 (33)	6/14/21	1325	G	Solid			X			1	
D-48 (10)	6/14/21	1400	G	Solid			X			1	
D-48 (14.2)	6/14/21	1430	G	Solid			X			1	
D-48 (19)	6/14/21	1440	G	Solid			X			1	
D-48 (21.5)	6/14/21	1455	G	Solid			X			1	
D-48 (29.5)	6/14/21	1540	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ryan Clare	6/14/21 1830	Arcadis	Cwattle	6/15/21 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186029-1

Login Number: 186029

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186128-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/28/2021 11:36:09 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Glossary

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

Job ID: 480-186128-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186128-1

Comments
No additional comments.

Receipt
The samples were received on 6/16/2021 10:00 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 2.8º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-41 (23-23.8) (480-186128-1), D-41 (25) (480-186128-2), D-41 (31) (480-186128-3), D-42 (23.5) (480-186128-5), D-42 (24.5) (480-186128-6), D-42 (31.5) (480-186128-7), D-47 (20.2) (480-186128-8), D-47 (21.3) (480-186128-9), D-47 (22) (480-186128-10), D-47 (22.4) (480-186128-12) and D-47 (23.5) (480-186128-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-41 (31.8) (480-186128-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-47 (22) (480-186128-10), DUP-01-20210615 (480-186128-11) and D-47 (22.4) (480-186128-12). Elevated reporting limits (RLs) are provided.

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (23-23.8) — Lab Sample ID: 480-186128-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	31000		920		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-41 (25) — Lab Sample ID: 480-186128-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	40000		890		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-41 (31) — Lab Sample ID: 480-186128-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	12000		250		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-41 (31.8) — Lab Sample ID: 480-186128-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3600		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-42 (23.5) — Lab Sample ID: 480-186128-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	35000		890		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-42 (24.5) — Lab Sample ID: 480-186128-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	58000		1100		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-42 (31.5) — Lab Sample ID: 480-186128-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	54000		1300		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-47 (20.2) — Lab Sample ID: 480-186128-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	100000		2200		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-47 (21.3) — Lab Sample ID: 480-186128-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	28000		910		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-47 (22) — Lab Sample ID: 480-186128-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	180000000	E	1300000		ug/Kg	10000	☼	8260C	Total/NA
Trichloroethene - DL	200000000		5100000		ug/Kg	40000	☼	8260C	Total/NA

Client Sample ID: DUP-01-20210615 — Lab Sample ID: 480-186128-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	52000		920		ug/Kg	8	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (22.4) — Lab Sample ID: 480-186128-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000000	E	1200000		ug/Kg	10000	☼	8260C	Total/NA
Trichloroethene - DL	170000000		4900000		ug/Kg	40000	☼	8260C	Total/NA

Client Sample ID: D-47 (23.5) — Lab Sample ID: 480-186128-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	310000		11000		ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: D-47 (16-20) — Lab Sample ID: 480-186128-14

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	1.4		0.5		%	1		ASTM D2974	Total/NA
Ash Content	98.6		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	11.6		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: EB-01-20210615 — Lab Sample ID: 480-186128-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (23-23.8)
Date Collected: 06/15/21 09:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-1
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,1,2,2-Tetrachloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,1,2-Trichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,1-Dichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,1-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2,4-Trichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2-Dibromo-3-Chloropropane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2-Dibromoethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2-Dichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,2-Dichloropropane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,3-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
1,4-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
2-Butanone (MEK)	ND		4600		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
2-Hexanone	ND		4600		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
4-Methyl-2-pentanone (MIBK)	ND		4600		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Acetone	ND		4600		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Benzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Bromodichloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Bromoform	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Bromomethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Carbon disulfide	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Carbon tetrachloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Chlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Chloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Chloroform	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Chloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
cis-1,2-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
cis-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Cyclohexane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Dibromochloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Dichlorodifluoromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Ethylbenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Isopropylbenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Methyl acetate	ND		4600		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Methyl tert-butyl ether	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Methylcyclohexane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Methylene Chloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Styrene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Tetrachloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Toluene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
trans-1,2-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
trans-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Trichloroethene	**31000**		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Trichlorofluoromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Vinyl chloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/21/21 22:40	06/23/21 13:23	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (23-23.8)
Date Collected: 06/15/21 09:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-1
Matrix: Solid
Percent Solids: 89.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/21/21 22:40	06/23/21 13:23	8
4-Bromofluorobenzene (Surr)	100		49 - 148	06/21/21 22:40	06/23/21 13:23	8
Dibromofluoromethane (Surr)	91		60 - 140	06/21/21 22:40	06/23/21 13:23	8
Toluene-d8 (Surr)	92		50 - 149	06/21/21 22:40	06/23/21 13:23	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (25)
Date Collected: 06/15/21 09:45
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-2
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,1,2,2-Tetrachloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,1,2-Trichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,1-Dichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,1-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2,4-Trichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2-Dibromo-3-Chloropropane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2-Dibromoethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2-Dichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,2-Dichloropropane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,3-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
1,4-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
2-Butanone (MEK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
2-Hexanone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
4-Methyl-2-pentanone (MIBK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Acetone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Benzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Bromodichloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Bromoform	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Bromomethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Carbon disulfide	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Carbon tetrachloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Chlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Chloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Chloroform	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Chloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
cis-1,2-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
cis-1,3-Dichloropropene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Cyclohexane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Dibromochloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Dichlorodifluoromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Ethylbenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Isopropylbenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Methyl acetate	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Methyl tert-butyl ether	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Methylcyclohexane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Methylene Chloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Styrene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Tetrachloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Toluene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
trans-1,2-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
trans-1,3-Dichloropropene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Trichloroethene	**40000**		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Trichlorofluoromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Vinyl chloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/21/21 22:40	06/23/21 13:46	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (25)
Date Collected: 06/15/21 09:45
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-2
Matrix: Solid
Percent Solids: 91.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/21/21 22:40	06/23/21 13:46	8
4-Bromofluorobenzene (Surr)	104		49 - 148	06/21/21 22:40	06/23/21 13:46	8
Dibromofluoromethane (Surr)	94		60 - 140	06/21/21 22:40	06/23/21 13:46	8
Toluene-d8 (Surr)	93		50 - 149	06/21/21 22:40	06/23/21 13:46	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (31)
Date Collected: 06/15/21 10:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-3
Matrix: Solid
Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,1,2,2-Tetrachloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,1,2-Trichloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,1-Dichloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,1-Dichloroethene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2,4-Trichlorobenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2-Dibromoethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2-Dichlorobenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2-Dichloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,2-Dichloropropane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,3-Dichlorobenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
1,4-Dichlorobenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
2-Butanone (MEK)	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
2-Hexanone	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Acetone	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Benzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Bromodichloromethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Bromoform	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Bromomethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Carbon disulfide	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Carbon tetrachloride	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Chlorobenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Chloroethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Chloroform	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Chloromethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
cis-1,2-Dichloroethene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
cis-1,3-Dichloropropene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Cyclohexane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Dibromochloromethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Dichlorodifluoromethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Ethylbenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Isopropylbenzene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Methyl acetate	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Methyl tert-butyl ether	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Methylcyclohexane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Methylene Chloride	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Styrene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Tetrachloroethene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Toluene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
trans-1,2-Dichloroethene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
trans-1,3-Dichloropropene	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Trichloroethene	**12000**		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Trichlorofluoromethane	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Vinyl chloride	ND		250		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2
Xylenes, Total	ND		500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:09	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (31)
Date Collected: 06/15/21 10:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-3
Matrix: Solid
Percent Solids: 83.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	06/21/21 22:40	06/23/21 14:09	2
4-Bromofluorobenzene (Surr)	100		49 - 148	06/21/21 22:40	06/23/21 14:09	2
Dibromofluoromethane (Surr)	89		60 - 140	06/21/21 22:40	06/23/21 14:09	2
Toluene-d8 (Surr)	89		50 - 149	06/21/21 22:40	06/23/21 14:09	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (31.8)
Date Collected: 06/15/21 10:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-4
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
2-Butanone (MEK)	ND		570		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
2-Hexanone	ND		570		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
4-Methyl-2-pentanone (MIBK)	ND		570		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Acetone	ND		570		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Benzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Bromodichloromethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Bromoform	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Bromomethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Carbon disulfide	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Carbon tetrachloride	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Chlorobenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Chloroethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Chloroform	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Chloromethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Cyclohexane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Dibromochloromethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Ethylbenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Isopropylbenzene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Methyl acetate	ND		570		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Methylcyclohexane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Methylene Chloride	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Styrene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Tetrachloroethene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Toluene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Trichloroethene	**3600**		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Vinyl chloride	ND		110		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1
Xylenes, Total	ND		230		ug/Kg	☼	06/21/21 22:40	06/23/21 14:32	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (31.8)
Date Collected: 06/15/21 10:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-4
Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		53 - 146	06/21/21 22:40	06/23/21 14:32	1
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 22:40	06/23/21 14:32	1
Dibromofluoromethane (Surr)	87		60 - 140	06/21/21 22:40	06/23/21 14:32	1
Toluene-d8 (Surr)	89		50 - 149	06/21/21 22:40	06/23/21 14:32	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (23.5)
Date Collected: 06/15/21 11:50
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-5
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,1,2,2-Tetrachloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,1,2-Trichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,1-Dichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,1-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2,4-Trichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2-Dibromo-3-Chloropropane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2-Dibromoethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2-Dichloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,2-Dichloropropane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,3-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
1,4-Dichlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
2-Butanone (MEK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
2-Hexanone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
4-Methyl-2-pentanone (MIBK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Acetone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Benzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Bromodichloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Bromoform	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Bromomethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Carbon disulfide	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Carbon tetrachloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Chlorobenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Chloroethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Chloroform	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Chloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
cis-1,2-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
cis-1,3-Dichloropropene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Cyclohexane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Dibromochloromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Dichlorodifluoromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Ethylbenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Isopropylbenzene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Methyl acetate	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Methyl tert-butyl ether	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Methylcyclohexane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Methylene Chloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Styrene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Tetrachloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Toluene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
trans-1,2-Dichloroethene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
trans-1,3-Dichloropropene	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Trichloroethene	**35000**		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Trichlorofluoromethane	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Vinyl chloride	ND		890		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/21/21 22:40	06/23/21 14:55	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (23.5)
Date Collected: 06/15/21 11:50
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-5
Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	06/21/21 22:40	06/23/21 14:55	8
4-Bromofluorobenzene (Surr)	96		49 - 148	06/21/21 22:40	06/23/21 14:55	8
Dibromofluoromethane (Surr)	89		60 - 140	06/21/21 22:40	06/23/21 14:55	8
Toluene-d8 (Surr)	91		50 - 149	06/21/21 22:40	06/23/21 14:55	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (24.5)
Date Collected: 06/15/21 12:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-6
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
2-Butanone (MEK)	ND		5700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
2-Hexanone	ND		5700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
4-Methyl-2-pentanone (MIBK)	ND		5700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Acetone	ND		5700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Benzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Bromodichloromethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Bromoform	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Bromomethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Carbon disulfide	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Chlorobenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Chloroethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Chloroform	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Chloromethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Cyclohexane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Dibromochloromethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Ethylbenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Isopropylbenzene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Methyl acetate	ND		5700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Methylcyclohexane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Methylene Chloride	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Styrene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Tetrachloroethene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Toluene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Trichloroethene	**58000**		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Vinyl chloride	ND		1100		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10
Xylenes, Total	ND		2300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:18	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (24.5)
Date Collected: 06/15/21 12:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-6
Matrix: Solid
Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		53 - 146	06/21/21 22:40	06/23/21 15:18	10
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 22:40	06/23/21 15:18	10
Dibromofluoromethane (Surr)	92		60 - 140	06/21/21 22:40	06/23/21 15:18	10
Toluene-d8 (Surr)	90		50 - 149	06/21/21 22:40	06/23/21 15:18	10

Client Sample ID: D-42 (31.5)
Date Collected: 06/15/21 12:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-7
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,1,2,2-Tetrachloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,1,2-Trichloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,1-Dichloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,1-Dichloroethene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2,4-Trichlorobenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2-Dibromo-3-Chloropropane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2-Dibromoethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2-Dichlorobenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2-Dichloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,2-Dichloropropane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,3-Dichlorobenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
1,4-Dichlorobenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
2-Butanone (MEK)	ND		6600		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
2-Hexanone	ND		6600		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
4-Methyl-2-pentanone (MIBK)	ND		6600		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Acetone	ND		6600		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Benzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Bromodichloromethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Bromoform	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Bromomethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Carbon disulfide	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Carbon tetrachloride	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Chlorobenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Chloroethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Chloroform	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Chloromethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
cis-1,2-Dichloroethene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
cis-1,3-Dichloropropene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Cyclohexane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Dibromochloromethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Dichlorodifluoromethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Ethylbenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Isopropylbenzene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Methyl acetate	ND		6600		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Methyl tert-butyl ether	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Methylcyclohexane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Methylene Chloride	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Styrene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Tetrachloroethene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Toluene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
trans-1,2-Dichloroethene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
trans-1,3-Dichloropropene	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Trichloroethene	**54000**		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Trichlorofluoromethane	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Vinyl chloride	ND		1300		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10
Xylenes, Total	ND		2700		ug/Kg	☼	06/21/21 22:40	06/23/21 15:41	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (31.5)
Date Collected: 06/15/21 12:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-7
Matrix: Solid
Percent Solids: 81.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/21/21 22:40	06/23/21 15:41	10
4-Bromofluorobenzene (Surr)	96		49 - 148	06/21/21 22:40	06/23/21 15:41	10
Dibromofluoromethane (Surr)	90		60 - 140	06/21/21 22:40	06/23/21 15:41	10
Toluene-d8 (Surr)	89		50 - 149	06/21/21 22:40	06/23/21 15:41	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (20.2)
Date Collected: 06/15/21 14:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-8
Matrix: Solid
Percent Solids: 91.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,1,2,2-Tetrachloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,1,2-Trichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,1-Dichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,1-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2,4-Trichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2-Dibromo-3-Chloropropane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2-Dibromoethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2-Dichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,2-Dichloropropane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,3-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
1,4-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
2-Hexanone	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Acetone	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Benzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Bromodichloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Bromoform	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Bromomethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Carbon disulfide	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Carbon tetrachloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Chlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Chloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Chloroform	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Chloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
cis-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
cis-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Cyclohexane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Dibromochloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Dichlorodifluoromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Ethylbenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Isopropylbenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Methyl acetate	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Methyl tert-butyl ether	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Methylcyclohexane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Methylene Chloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Styrene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Tetrachloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Toluene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
trans-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
trans-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Trichloroethene	**100000**		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Trichlorofluoromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Vinyl chloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20
Xylenes, Total	ND		4400		ug/Kg	☼	06/21/21 22:40	06/23/21 16:04	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (20.2)
Date Collected: 06/15/21 14:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-8
Matrix: Solid
Percent Solids: 91.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/21/21 22:40	06/23/21 16:04	20
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 22:40	06/23/21 16:04	20
Dibromofluoromethane (Surr)	94		60 - 140	06/21/21 22:40	06/23/21 16:04	20
Toluene-d8 (Surr)	90		50 - 149	06/21/21 22:40	06/23/21 16:04	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (21.3)
Date Collected: 06/15/21 14:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-9
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,1,2,2-Tetrachloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,1,2-Trichloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,1-Dichloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,1-Dichloroethene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2,4-Trichlorobenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2-Dibromo-3-Chloropropane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2-Dibromoethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2-Dichlorobenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2-Dichloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,2-Dichloropropane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,3-Dichlorobenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
1,4-Dichlorobenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
2-Butanone (MEK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
2-Hexanone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
4-Methyl-2-pentanone (MIBK)	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Acetone	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Benzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Bromodichloromethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Bromoform	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Bromomethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Carbon disulfide	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Carbon tetrachloride	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Chlorobenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Chloroethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Chloroform	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Chloromethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
cis-1,2-Dichloroethene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
cis-1,3-Dichloropropene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Cyclohexane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Dibromochloromethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Dichlorodifluoromethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Ethylbenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Isopropylbenzene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Methyl acetate	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Methyl tert-butyl ether	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Methylcyclohexane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Methylene Chloride	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Styrene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Tetrachloroethene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Toluene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
trans-1,2-Dichloroethene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
trans-1,3-Dichloropropene	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Trichloroethene	**28000**		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Trichlorofluoromethane	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Vinyl chloride	ND		910		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/21/21 22:40	06/23/21 16:27	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (21.3)
Date Collected: 06/15/21 14:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-9
Matrix: Solid
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/21/21 22:40	06/23/21 16:27	8
4-Bromofluorobenzene (Surr)	101		49 - 148	06/21/21 22:40	06/23/21 16:27	8
Dibromofluoromethane (Surr)	91		60 - 140	06/21/21 22:40	06/23/21 16:27	8
Toluene-d8 (Surr)	92		50 - 149	06/21/21 22:40	06/23/21 16:27	8

Client Sample ID: D-47 (22)
Date Collected: 06/15/21 14:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-10
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,1,2,2-Tetrachloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,1,2-Trichloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,1-Dichloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,1-Dichloroethene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2,4-Trichlorobenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2-Dibromo-3-Chloropropane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2-Dibromoethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2-Dichlorobenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2-Dichloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,2-Dichloropropane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,3-Dichlorobenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
1,4-Dichlorobenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
2-Butanone (MEK)	ND		6400000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
2-Hexanone	ND		6400000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
4-Methyl-2-pentanone (MIBK)	ND		6400000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Acetone	ND		6400000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Benzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Bromodichloromethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Bromoform	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Bromomethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Carbon disulfide	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Carbon tetrachloride	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Chlorobenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Chloroethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Chloroform	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Chloromethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
cis-1,2-Dichloroethene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
cis-1,3-Dichloropropene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Cyclohexane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Dibromochloromethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Dichlorodifluoromethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Ethylbenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Isopropylbenzene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Methyl acetate	ND		6400000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Methyl tert-butyl ether	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Methylcyclohexane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Methylene Chloride	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Styrene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Tetrachloroethene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Toluene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
trans-1,2-Dichloroethene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
trans-1,3-Dichloropropene	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Trichloroethene	**180000000**	**E**	1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Trichlorofluoromethane	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Vinyl chloride	ND		1300000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000
Xylenes, Total	ND		2500000		ug/Kg	☼	06/21/21 22:40	06/23/21 16:51	10000

Client Sample ID: D-47 (22)
Date Collected: 06/15/21 14:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-10
Matrix: Solid
Percent Solids: 82.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/21/21 22:40*	*06/23/21 16:51*	*10000*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/21/21 22:40*	*06/23/21 16:51*	*10000*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*06/21/21 22:40*	*06/23/21 16:51*	*10000*
Toluene-d8 (Surr)	*90*		*50 - 149*	*06/21/21 22:40*	*06/23/21 16:51*	*10000*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,1,2,2-Tetrachloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,1,2-Trichloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,1-Dichloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,1-Dichloroethene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2,4-Trichlorobenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2-Dibromo-3-Chloropropane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2-Dibromoethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2-Dichlorobenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2-Dichloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,2-Dichloropropane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,3-Dichlorobenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
1,4-Dichlorobenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
2-Butanone (MEK)	ND		25000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
2-Hexanone	ND		25000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
4-Methyl-2-pentanone (MIBK)	ND		25000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Acetone	ND		25000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Benzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Bromodichloromethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Bromoform	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Bromomethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Carbon disulfide	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Carbon tetrachloride	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Chlorobenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Chloroethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Chloroform	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Chloromethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
cis-1,2-Dichloroethene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
cis-1,3-Dichloropropene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Cyclohexane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Dibromochloromethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Dichlorodifluoromethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Ethylbenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Isopropylbenzene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Methyl acetate	ND		25000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Methyl tert-butyl ether	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Methylcyclohexane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Methylene Chloride	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Styrene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Tetrachloroethene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Toluene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
trans-1,2-Dichloroethene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (22)
Date Collected: 06/15/21 14:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-10
Matrix: Solid
Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Trichloroethene	**200000000**		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Trichlorofluoromethane	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Vinyl chloride	ND		5100000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000
Xylenes, Total	ND		10000000		ug/Kg	☼	06/21/21 22:40	06/24/21 12:28	40000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*06/21/21 22:40*	*06/24/21 12:28*	*40000*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/21/21 22:40*	*06/24/21 12:28*	*40000*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*06/21/21 22:40*	*06/24/21 12:28*	*40000*
Toluene-d8 (Surr)	*92*		*50 - 149*	*06/21/21 22:40*	*06/24/21 12:28*	*40000*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: DUP-01-20210615
Date Collected: 06/15/21 00:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-11
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,1,2,2-Tetrachloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,1,2-Trichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,1-Dichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,1-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2,4-Trichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2-Dibromo-3-Chloropropane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2-Dibromoethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2-Dichloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,2-Dichloropropane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,3-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
1,4-Dichlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
2-Butanone (MEK)	ND		4600		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
2-Hexanone	ND		4600		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
4-Methyl-2-pentanone (MIBK)	ND		4600		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Acetone	ND		4600		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Benzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Bromodichloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Bromoform	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Bromomethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Carbon disulfide	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Carbon tetrachloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Chlorobenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Chloroethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Chloroform	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Chloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
cis-1,2-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
cis-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Cyclohexane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Dibromochloromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Dichlorodifluoromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Ethylbenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Isopropylbenzene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Methyl acetate	ND		4600		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Methyl tert-butyl ether	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Methylcyclohexane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Methylene Chloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Styrene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Tetrachloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Toluene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
trans-1,2-Dichloroethene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
trans-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Trichloroethene	**52000**		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Trichlorofluoromethane	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Vinyl chloride	ND		920		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/21/21 22:40	06/24/21 12:51	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: DUP-01-20210615
Date Collected: 06/15/21 00:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-11
Matrix: Solid
Percent Solids: 90.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/21/21 22:40	06/24/21 12:51	8
4-Bromofluorobenzene (Surr)	98		49 - 148	06/21/21 22:40	06/24/21 12:51	8
Dibromofluoromethane (Surr)	96		60 - 140	06/21/21 22:40	06/24/21 12:51	8
Toluene-d8 (Surr)	94		50 - 149	06/21/21 22:40	06/24/21 12:51	8

Client Sample ID: D-47 (22.4)
Date Collected: 06/15/21 14:35
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-12
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,1,2,2-Tetrachloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,1,2-Trichloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,1-Dichloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,1-Dichloroethene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2,4-Trichlorobenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2-Dibromo-3-Chloropropane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2-Dibromoethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2-Dichlorobenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2-Dichloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,2-Dichloropropane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,3-Dichlorobenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
1,4-Dichlorobenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
2-Butanone (MEK)	ND		6100000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
2-Hexanone	ND		6100000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
4-Methyl-2-pentanone (MIBK)	ND		6100000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Acetone	ND		6100000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Benzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Bromodichloromethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Bromoform	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Bromomethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Carbon disulfide	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Carbon tetrachloride	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Chlorobenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Chloroethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Chloroform	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Chloromethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
cis-1,2-Dichloroethene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
cis-1,3-Dichloropropene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Cyclohexane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Dibromochloromethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Dichlorodifluoromethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Ethylbenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Isopropylbenzene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Methyl acetate	ND		6100000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Methyl tert-butyl ether	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Methylcyclohexane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Methylene Chloride	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Styrene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Tetrachloroethene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Toluene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
trans-1,2-Dichloroethene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
trans-1,3-Dichloropropene	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Trichloroethene	**160000000**	**E**	1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Trichlorofluoromethane	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Vinyl chloride	ND		1200000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000
Xylenes, Total	ND		2400000		ug/Kg	☼	06/21/21 22:40	06/23/21 17:37	10000

Client Sample ID: D-47 (22.4)
Date Collected: 06/15/21 14:35
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-12
Matrix: Solid
Percent Solids: 86.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*06/21/21 22:40*	*06/23/21 17:37*	*10000*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*06/21/21 22:40*	*06/23/21 17:37*	*10000*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/21/21 22:40*	*06/23/21 17:37*	*10000*
Toluene-d8 (Surr)	*90*		*50 - 149*	*06/21/21 22:40*	*06/23/21 17:37*	*10000*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,1,2,2-Tetrachloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,1,2-Trichloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,1-Dichloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,1-Dichloroethene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2,4-Trichlorobenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2-Dibromo-3-Chloropropane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2-Dibromoethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2-Dichlorobenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2-Dichloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,2-Dichloropropane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,3-Dichlorobenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
1,4-Dichlorobenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
2-Butanone (MEK)	ND		24000000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
2-Hexanone	ND		24000000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
4-Methyl-2-pentanone (MIBK)	ND		24000000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Acetone	ND		24000000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Benzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Bromodichloromethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Bromoform	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Bromomethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Carbon disulfide	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Carbon tetrachloride	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Chlorobenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Chloroethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Chloroform	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Chloromethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
cis-1,2-Dichloroethene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
cis-1,3-Dichloropropene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Cyclohexane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Dibromochloromethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Dichlorodifluoromethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Ethylbenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Isopropylbenzene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Methyl acetate	ND		24000000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Methyl tert-butyl ether	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Methylcyclohexane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Methylene Chloride	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Styrene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Tetrachloroethene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Toluene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
trans-1,2-Dichloroethene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (22.4)
Date Collected: 06/15/21 14:35
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-12
Matrix: Solid
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Trichloroethene	**170000000**		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Trichlorofluoromethane	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Vinyl chloride	ND		4900000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000
Xylenes, Total	ND		9700000		ug/Kg	☼	06/21/21 22:40	06/24/21 13:14	40000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*06/21/21 22:40*	*06/24/21 13:14*	*40000*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*06/21/21 22:40*	*06/24/21 13:14*	*40000*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/21/21 22:40*	*06/24/21 13:14*	*40000*
Toluene-d8 (Surr)	*90*		*50 - 149*	*06/21/21 22:40*	*06/24/21 13:14*	*40000*

Client Sample ID: D-47 (23.5)
Date Collected: 06/15/21 14:40
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-13
Matrix: Solid
Percent Solids: 92.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,1,2,2-Tetrachloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,1,2-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,1-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,1-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2,4-Trichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2-Dibromo-3-Chloropropane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2-Dibromoethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,2-Dichloropropane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,3-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
1,4-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
2-Butanone (MEK)	ND		55000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
2-Hexanone	ND		55000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
4-Methyl-2-pentanone (MIBK)	ND		55000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Acetone	ND		55000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Benzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Bromodichloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Bromoform	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Bromomethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Carbon disulfide	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Carbon tetrachloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Chlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Chloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Chloroform	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Chloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
cis-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
cis-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Cyclohexane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Dibromochloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Dichlorodifluoromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Ethylbenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Isopropylbenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Methyl acetate	ND		55000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Methyl tert-butyl ether	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Methylcyclohexane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Methylene Chloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Styrene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Tetrachloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Toluene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
trans-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
trans-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Trichloroethene	**310000**		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Trichlorofluoromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Vinyl chloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100
Xylenes, Total	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:00	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (23.5)
Date Collected: 06/15/21 14:40
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-13
Matrix: Solid
Percent Solids: 92.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	06/21/21 22:40	06/23/21 18:00	100
4-Bromofluorobenzene (Surr)	101		49 - 148	06/21/21 22:40	06/23/21 18:00	100
Dibromofluoromethane (Surr)	96		60 - 140	06/21/21 22:40	06/23/21 18:00	100
Toluene-d8 (Surr)	94		50 - 149	06/21/21 22:40	06/23/21 18:00	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (16-20)
Date Collected: 06/15/21 15:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-14
Matrix: Solid

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	1.4		0.5		%			06/25/21 15:22	1
Ash Content	98.6		0.5		%			06/25/21 15:22	1
Moisture Content	11.6		0.5		%			06/25/21 15:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: EB-01-20210615
Date Collected: 06/15/21 17:10
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-15
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,1-Dichloroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,1-Dichloroethene	ND		1.0		ug/L			06/21/21 15:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/21/21 15:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/21/21 15:22	1
1,2-Dibromoethane	ND		1.0		ug/L			06/21/21 15:22	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:22	1
1,2-Dichloroethane	ND		1.0		ug/L			06/21/21 15:22	1
1,2-Dichloropropane	ND		1.0		ug/L			06/21/21 15:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:22	1
2-Butanone (MEK)	ND		10		ug/L			06/21/21 15:22	1
2-Hexanone	ND		5.0		ug/L			06/21/21 15:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/21/21 15:22	1
Acetone	ND		10		ug/L			06/21/21 15:22	1
Benzene	ND		1.0		ug/L			06/21/21 15:22	1
Bromodichloromethane	ND		1.0		ug/L			06/21/21 15:22	1
Bromoform	ND		1.0		ug/L			06/21/21 15:22	1
Bromomethane	ND		1.0		ug/L			06/21/21 15:22	1
Carbon disulfide	ND		1.0		ug/L			06/21/21 15:22	1
Carbon tetrachloride	ND		1.0		ug/L			06/21/21 15:22	1
Chlorobenzene	ND		1.0		ug/L			06/21/21 15:22	1
Chloroethane	ND		1.0		ug/L			06/21/21 15:22	1
Chloroform	ND		1.0		ug/L			06/21/21 15:22	1
Chloromethane	ND		1.0		ug/L			06/21/21 15:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 15:22	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 15:22	1
Cyclohexane	ND		1.0		ug/L			06/21/21 15:22	1
Dibromochloromethane	ND		1.0		ug/L			06/21/21 15:22	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/21/21 15:22	1
Ethylbenzene	ND		1.0		ug/L			06/21/21 15:22	1
Isopropylbenzene	ND		1.0		ug/L			06/21/21 15:22	1
Methyl acetate	ND		2.5		ug/L			06/21/21 15:22	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/21/21 15:22	1
Methylcyclohexane	ND		1.0		ug/L			06/21/21 15:22	1
Methylene Chloride	ND		1.0		ug/L			06/21/21 15:22	1
Styrene	ND		1.0		ug/L			06/21/21 15:22	1
Tetrachloroethene	ND		1.0		ug/L			06/21/21 15:22	1
Toluene	ND		1.0		ug/L			06/21/21 15:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 15:22	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 15:22	1
Trichloroethene	ND		1.0		ug/L			06/21/21 15:22	1
Trichlorofluoromethane	ND		1.0		ug/L			06/21/21 15:22	1
Vinyl chloride	ND		1.0		ug/L			06/21/21 15:22	1
Xylenes, Total	ND		2.0		ug/L			06/21/21 15:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: EB-01-20210615
Date Collected: 06/15/21 17:10
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		77 - 120		06/21/21 15:22	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/21/21 15:22	1
Dibromofluoromethane (Surr)	90		75 - 123		06/21/21 15:22	1
Toluene-d8 (Surr)	90		80 - 120		06/21/21 15:22	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186128-1	D-41 (23-23.8)	92	100	91	92
480-186128-2	D-41 (25)	93	104	94	93
480-186128-3	D-41 (31)	89	100	89	89
480-186128-4	D-41 (31.8)	85	99	87	89
480-186128-5	D-42 (23.5)	89	96	89	91
480-186128-6	D-42 (24.5)	90	99	92	90
480-186128-7	D-42 (31.5)	92	96	90	89
480-186128-8	D-47 (20.2)	91	99	94	90
480-186128-9	D-47 (21.3)	91	101	91	92
480-186128-10	D-47 (22)	91	99	91	90
480-186128-10 - DL	D-47 (22)	93	100	90	92
480-186128-11	DUP-01-20210615	99	98	96	94
480-186128-12	D-47 (22.4)	92	98	93	90
480-186128-12 - DL	D-47 (22.4)	90	97	93	90
480-186128-13	D-47 (23.5)	97	101	96	94
LCS 480-586335/1-A	Lab Control Sample	86	102	90	91
MB 480-586335/2-A	Method Blank	91	100	89	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-186128-15	EB-01-20210615	88	101	90	90
LCS 480-586191/5	Lab Control Sample	86	102	92	90
MB 480-586191/7	Method Blank	86	97	91	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586191/7
Matrix: Water
Analysis Batch: 586191

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,1-Dichloroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,1-Dichloroethene	ND		1.0		ug/L			06/21/21 10:57	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/21/21 10:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/21/21 10:57	1
1,2-Dibromoethane	ND		1.0		ug/L			06/21/21 10:57	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/21/21 10:57	1
1,2-Dichloroethane	ND		1.0		ug/L			06/21/21 10:57	1
1,2-Dichloropropane	ND		1.0		ug/L			06/21/21 10:57	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/21/21 10:57	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/21/21 10:57	1
2-Butanone (MEK)	ND		10		ug/L			06/21/21 10:57	1
2-Hexanone	ND		5.0		ug/L			06/21/21 10:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/21/21 10:57	1
Acetone	ND		10		ug/L			06/21/21 10:57	1
Benzene	ND		1.0		ug/L			06/21/21 10:57	1
Bromodichloromethane	ND		1.0		ug/L			06/21/21 10:57	1
Bromoform	ND		1.0		ug/L			06/21/21 10:57	1
Bromomethane	ND		1.0		ug/L			06/21/21 10:57	1
Carbon disulfide	ND		1.0		ug/L			06/21/21 10:57	1
Carbon tetrachloride	ND		1.0		ug/L			06/21/21 10:57	1
Chlorobenzene	ND		1.0		ug/L			06/21/21 10:57	1
Chloroethane	ND		1.0		ug/L			06/21/21 10:57	1
Chloroform	ND		1.0		ug/L			06/21/21 10:57	1
Chloromethane	ND		1.0		ug/L			06/21/21 10:57	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 10:57	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 10:57	1
Cyclohexane	ND		1.0		ug/L			06/21/21 10:57	1
Dibromochloromethane	ND		1.0		ug/L			06/21/21 10:57	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/21/21 10:57	1
Ethylbenzene	ND		1.0		ug/L			06/21/21 10:57	1
Isopropylbenzene	ND		1.0		ug/L			06/21/21 10:57	1
Methyl acetate	ND		2.5		ug/L			06/21/21 10:57	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/21/21 10:57	1
Methylcyclohexane	ND		1.0		ug/L			06/21/21 10:57	1
Methylene Chloride	ND		1.0		ug/L			06/21/21 10:57	1
Styrene	ND		1.0		ug/L			06/21/21 10:57	1
Tetrachloroethene	ND		1.0		ug/L			06/21/21 10:57	1
Toluene	ND		1.0		ug/L			06/21/21 10:57	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 10:57	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 10:57	1
Trichloroethene	ND		1.0		ug/L			06/21/21 10:57	1
Trichlorofluoromethane	ND		1.0		ug/L			06/21/21 10:57	1
Vinyl chloride	ND		1.0		ug/L			06/21/21 10:57	1
Xylenes, Total	ND		2.0		ug/L			06/21/21 10:57	1

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

Lab Sample ID: MB 480-586191/7
Matrix: Water
Analysis Batch: 586191

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		77 - 120		06/21/21 10:57	1
4-Bromofluorobenzene (Surr)	97		73 - 120		06/21/21 10:57	1
Dibromofluoromethane (Surr)	91		75 - 123		06/21/21 10:57	1
Toluene-d8 (Surr)	94		80 - 120		06/21/21 10:57	1

Lab Sample ID: LCS 480-586191/5
Matrix: Water
Analysis Batch: 586191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	20.9		ug/L		84	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	26.0		ug/L		104	61 - 148
1,1,2-Trichloroethane	25.0	23.0		ug/L		92	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	24.8		ug/L		99	66 - 127
1,2,4-Trichlorobenzene	25.0	22.7		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.3		ug/L		93	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	21.7		ug/L		87	80 - 124
1,2-Dichloroethane	25.0	21.0		ug/L		84	75 - 120
1,2-Dichloropropane	25.0	22.2		ug/L		89	76 - 120
1,3-Dichlorobenzene	25.0	21.9		ug/L		88	77 - 120
1,4-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
2-Hexanone	125	124		ug/L		99	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	122		ug/L		97	56 - 142
Benzene	25.0	22.4		ug/L		89	71 - 124
Bromodichloromethane	25.0	22.1		ug/L		88	80 - 122
Bromoform	25.0	22.7		ug/L		91	61 - 132
Bromomethane	25.0	24.6		ug/L		98	55 - 144
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134
Carbon tetrachloride	25.0	21.4		ug/L		86	72 - 134
Chlorobenzene	25.0	23.2		ug/L		93	80 - 120
Chloroethane	25.0	26.9		ug/L		108	69 - 136
Chloroform	25.0	21.0		ug/L		84	73 - 127
Chloromethane	25.0	23.1		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	21.7		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		97	74 - 124
Cyclohexane	25.0	24.0		ug/L		96	59 - 135
Dibromochloromethane	25.0	22.9		ug/L		92	75 - 125
Dichlorodifluoromethane	25.0	20.8		ug/L		83	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	24.4		ug/L		98	77 - 122
Methyl acetate	50.0	43.5		ug/L		87	74 - 133
Methyl tert-butyl ether	25.0	24.4		ug/L		98	77 - 120
Methylcyclohexane	25.0	24.2		ug/L		97	68 - 134

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

Lab Sample ID: LCS 480-586191/5
Matrix: Water
Analysis Batch: 586191

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Styrene	25.0	23.5		ug/L		94	80 - 120
Tetrachloroethene	25.0	21.2		ug/L		85	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		98	80 - 120
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Trichlorofluoromethane	25.0	21.9		ug/L		88	62 - 150
Vinyl chloride	25.0	25.4		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*92*		*75 - 123*
Toluene-d8 (Surr)	*90*		*80 - 120*

Lab Sample ID: MB 480-586335/2-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1-Dichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dibromoethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichloropropane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
2-Butanone (MEK)	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
2-Hexanone	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Acetone	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Benzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromodichloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromoform	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromomethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Carbon disulfide	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Carbon tetrachloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chloroform	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1

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

Lab Sample ID: MB 480-586335/2-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Cyclohexane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Dibromochloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Ethylbenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Isopropylbenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methyl acetate	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methylcyclohexane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methylene Chloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Styrene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Tetrachloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Toluene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Trichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Trichlorofluoromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Vinyl chloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Xylenes, Total	ND		200		ug/Kg		06/21/21 22:40	06/23/21 11:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*06/21/21 22:40*	*06/23/21 11:09*	*1*

Lab Sample ID: LCS 480-586335/1-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2350		ug/Kg		94	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2470		ug/Kg		99	10 - 179
1,1,2-Trichloroethane	2500	2430		ug/Kg		97	80 - 120
1,1-Dichloroethane	2500	2470		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2420		ug/Kg		97	48 - 133
1,2,4-Trichlorobenzene	2500	2460		ug/Kg		99	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2110		ug/Kg		84	56 - 122
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2390		ug/Kg		96	78 - 125
1,2-Dichloroethane	2500	2300		ug/Kg		92	74 - 127
1,2-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,3-Dichlorobenzene	2500	2460		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
2-Butanone (MEK)	12500	11600		ug/Kg		93	54 - 149

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

Lab Sample ID: LCS 480-586335/1-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	12500	11400		ug/Kg		91	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2490		ug/Kg		99	77 - 125
Bromodichloromethane	2500	2420		ug/Kg		97	71 - 121
Bromoform	2500	2290		ug/Kg		92	48 - 125
Bromomethane	2500	1990		ug/Kg		80	39 - 149
Carbon disulfide	2500	2360		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2380		ug/Kg		95	54 - 135
Chlorobenzene	2500	2570		ug/Kg		103	76 - 126
Chloroethane	2500	2040		ug/Kg		82	23 - 150
Chloroform	2500	2300		ug/Kg		92	78 - 120
Chloromethane	2500	2430		ug/Kg		97	61 - 124
cis-1,2-Dichloroethene	2500	2430		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2650		ug/Kg		106	75 - 121
Cyclohexane	2500	2580		ug/Kg		103	49 - 129
Dibromochloromethane	2500	2440		ug/Kg		98	64 - 120
Dichlorodifluoromethane	2500	2150		ug/Kg		86	10 - 150
Ethylbenzene	2500	2630		ug/Kg		105	78 - 124
Isopropylbenzene	2500	2720		ug/Kg		109	76 - 120
Methyl acetate	5000	4590		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2410		ug/Kg		96	67 - 137
Methylcyclohexane	2500	2690		ug/Kg		108	50 - 130
Methylene Chloride	2500	2520		ug/Kg		101	75 - 118
Styrene	2500	2610		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2400		ug/Kg		96	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2430		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2620		ug/Kg		105	73 - 120
Trichloroethene	2500	2510		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2160		ug/Kg		86	29 - 158
Vinyl chloride	2500	2660		ug/Kg		106	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*90*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Lab Sample ID: 480-186128-14 DU
Matrix: Solid
Analysis Batch: 362241

Client Sample ID: D-47 (16-20)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Matter	1.4		1.4		%		1	10
Ash Content	98.6		98.6		%		0	10
Moisture Content	11.6		11.3		%		2	10

GC/MS VOA

Analysis Batch: 586191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-15	EB-01-20210615	Total/NA	Water	8260C	
MB 480-586191/7	Method Blank	Total/NA	Water	8260C	
LCS 480-586191/5	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 586335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-1	D-41 (23-23.8)	Total/NA	Solid	5035A_H	
480-186128-2	D-41 (25)	Total/NA	Solid	5035A_H	
480-186128-3	D-41 (31)	Total/NA	Solid	5035A_H	
480-186128-4	D-41 (31.8)	Total/NA	Solid	5035A_H	
480-186128-5	D-42 (23.5)	Total/NA	Solid	5035A_H	
480-186128-6	D-42 (24.5)	Total/NA	Solid	5035A_H	
480-186128-7	D-42 (31.5)	Total/NA	Solid	5035A_H	
480-186128-8	D-47 (20.2)	Total/NA	Solid	5035A_H	
480-186128-9	D-47 (21.3)	Total/NA	Solid	5035A_H	
480-186128-10 - DL	D-47 (22)	Total/NA	Solid	5035A_H	
480-186128-10	D-47 (22)	Total/NA	Solid	5035A_H	
480-186128-11	DUP-01-20210615	Total/NA	Solid	5035A_H	
480-186128-12	D-47 (22.4)	Total/NA	Solid	5035A_H	
480-186128-12 - DL	D-47 (22.4)	Total/NA	Solid	5035A_H	
480-186128-13	D-47 (23.5)	Total/NA	Solid	5035A_H	
MB 480-586335/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586335/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 586544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-1	D-41 (23-23.8)	Total/NA	Solid	8260C	586335
480-186128-2	D-41 (25)	Total/NA	Solid	8260C	586335
480-186128-3	D-41 (31)	Total/NA	Solid	8260C	586335
480-186128-4	D-41 (31.8)	Total/NA	Solid	8260C	586335
480-186128-5	D-42 (23.5)	Total/NA	Solid	8260C	586335
480-186128-6	D-42 (24.5)	Total/NA	Solid	8260C	586335
480-186128-7	D-42 (31.5)	Total/NA	Solid	8260C	586335
480-186128-8	D-47 (20.2)	Total/NA	Solid	8260C	586335
480-186128-9	D-47 (21.3)	Total/NA	Solid	8260C	586335
480-186128-10	D-47 (22)	Total/NA	Solid	8260C	586335
480-186128-12	D-47 (22.4)	Total/NA	Solid	8260C	586335
480-186128-13	D-47 (23.5)	Total/NA	Solid	8260C	586335
MB 480-586335/2-A	Method Blank	Total/NA	Solid	8260C	586335
LCS 480-586335/1-A	Lab Control Sample	Total/NA	Solid	8260C	586335

Analysis Batch: 586747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-10 - DL	D-47 (22)	Total/NA	Solid	8260C	586335
480-186128-11	DUP-01-20210615	Total/NA	Solid	8260C	586335
480-186128-12 - DL	D-47 (22.4)	Total/NA	Solid	8260C	586335

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

General Chemistry

Analysis Batch: 585921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-1	D-41 (23-23.8)	Total/NA	Solid	Moisture	
480-186128-2	D-41 (25)	Total/NA	Solid	Moisture	
480-186128-3	D-41 (31)	Total/NA	Solid	Moisture	
480-186128-4	D-41 (31.8)	Total/NA	Solid	Moisture	
480-186128-5	D-42 (23.5)	Total/NA	Solid	Moisture	
480-186128-6	D-42 (24.5)	Total/NA	Solid	Moisture	
480-186128-7	D-42 (31.5)	Total/NA	Solid	Moisture	
480-186128-8	D-47 (20.2)	Total/NA	Solid	Moisture	
480-186128-9	D-47 (21.3)	Total/NA	Solid	Moisture	
480-186128-10	D-47 (22)	Total/NA	Solid	Moisture	
480-186128-11	DUP-01-20210615	Total/NA	Solid	Moisture	
480-186128-12	D-47 (22.4)	Total/NA	Solid	Moisture	
480-186128-13	D-47 (23.5)	Total/NA	Solid	Moisture	
480-186128-14	D-47 (16-20)	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 362241

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186128-14	D-47 (16-20)	Total/NA	Solid	ASTM D2974	
480-186128-14 DU	D-47 (16-20)	Total/NA	Solid	ASTM D2974	

Client Sample ID: D-41 (23-23.8) — **Lab Sample ID: 480-186128-1**
Date Collected: 06/15/21 09:30 — **Matrix: Solid**
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-41 (23-23.8) — **Lab Sample ID: 480-186128-1**
Date Collected: 06/15/21 09:30 — **Matrix: Solid**
Date Received: 06/16/21 10:00 — **Percent Solids: 89.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586544	06/23/21 13:23	WJD	TAL BUF

Client Sample ID: D-41 (25) — **Lab Sample ID: 480-186128-2**
Date Collected: 06/15/21 09:45 — **Matrix: Solid**
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-41 (25) — **Lab Sample ID: 480-186128-2**
Date Collected: 06/15/21 09:45 — **Matrix: Solid**
Date Received: 06/16/21 10:00 — **Percent Solids: 91.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586544	06/23/21 13:46	WJD	TAL BUF

Client Sample ID: D-41 (31) — **Lab Sample ID: 480-186128-3**
Date Collected: 06/15/21 10:20 — **Matrix: Solid**
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-41 (31) — **Lab Sample ID: 480-186128-3**
Date Collected: 06/15/21 10:20 — **Matrix: Solid**
Date Received: 06/16/21 10:00 — **Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		2	586544	06/23/21 14:09	WJD	TAL BUF

Client Sample ID: D-41 (31.8) — **Lab Sample ID: 480-186128-4**
Date Collected: 06/15/21 10:25 — **Matrix: Solid**
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-41 (31.8)
Date Collected: 06/15/21 10:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-4
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	586544	06/23/21 14:32	WJD	TAL BUF

Client Sample ID: D-42 (23.5)
Date Collected: 06/15/21 11:50
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-42 (23.5)
Date Collected: 06/15/21 11:50
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-5
Matrix: Solid
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586544	06/23/21 14:55	WJD	TAL BUF

Client Sample ID: D-42 (24.5)
Date Collected: 06/15/21 12:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-42 (24.5)
Date Collected: 06/15/21 12:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-6
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		10	586544	06/23/21 15:18	WJD	TAL BUF

Client Sample ID: D-42 (31.5)
Date Collected: 06/15/21 12:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-42 (31.5)
Date Collected: 06/15/21 12:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-7
Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		10	586544	06/23/21 15:41	WJD	TAL BUF

Client Sample ID: D-47 (20.2)
Date Collected: 06/15/21 14:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47 (20.2)
Date Collected: 06/15/21 14:20
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-8
Matrix: Solid
Percent Solids: 91.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586544	06/23/21 16:04	WJD	TAL BUF

Client Sample ID: D-47 (21.3)
Date Collected: 06/15/21 14:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47 (21.3)
Date Collected: 06/15/21 14:25
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-9
Matrix: Solid
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586544	06/23/21 16:27	WJD	TAL BUF

Client Sample ID: D-47 (22)
Date Collected: 06/15/21 14:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47 (22)
Date Collected: 06/15/21 14:30
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-10
Matrix: Solid
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		10000	586544	06/23/21 16:51	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	40000	586747	06/24/21 12:28	WJD	TAL BUF

Client Sample ID: DUP-01-20210615
Date Collected: 06/15/21 00:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: DUP-01-20210615
Date Collected: 06/15/21 00:00
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-11
Matrix: Solid
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586747	06/24/21 12:51	WJD	TAL BUF

Client Sample ID: D-47 (22.4)
Date Collected: 06/15/21 14:35
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47 (22.4)
Date Collected: 06/15/21 14:35
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-12
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		10000	586544	06/23/21 17:37	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	40000	586747	06/24/21 13:14	WJD	TAL BUF

Client Sample ID: D-47 (23.5)
Date Collected: 06/15/21 14:40
Date Received: 06/16/21 10:00

Lab Sample ID: 480-186128-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Client Sample ID: D-47 (23.5)

Lab Sample ID: 480-186128-13
Date Collected: 06/15/21 14:40
Matrix: Solid
Date Received: 06/16/21 10:00
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		100	586544	06/23/21 18:00	WJD	TAL BUF

Client Sample ID: D-47 (16-20)

Lab Sample ID: 480-186128-14
Date Collected: 06/15/21 15:20
Matrix: Solid
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF
Total/NA	Analysis	ASTM D2974		1	362241	06/25/21 15:22	PMH	TAL PIT

Client Sample ID: EB-01-20210615

Lab Sample ID: 480-186128-15
Date Collected: 06/15/21 17:10
Matrix: Water
Date Received: 06/16/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	586191	06/21/21 15:22	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186128-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21
California	State	2891	04-30-21 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-21
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-21
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-21
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-21
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21 *
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	05-30-22
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21 *
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

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

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
ASTM D2974	Moisture, Ash and Organic Matter	ASTM	TAL PIT
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186128-1	D-41 (23-23.8)	Solid	06/15/21 09:30	06/16/21 10:00	
480-186128-2	D-41 (25)	Solid	06/15/21 09:45	06/16/21 10:00	
480-186128-3	D-41 (31)	Solid	06/15/21 10:20	06/16/21 10:00	
480-186128-4	D-41 (31.8)	Solid	06/15/21 10:25	06/16/21 10:00	
480-186128-5	D-42 (23.5)	Solid	06/15/21 11:50	06/16/21 10:00	
480-186128-6	D-42 (24.5)	Solid	06/15/21 12:00	06/16/21 10:00	
480-186128-7	D-42 (31.5)	Solid	06/15/21 12:20	06/16/21 10:00	
480-186128-8	D-47 (20.2)	Solid	06/15/21 14:20	06/16/21 10:00	
480-186128-9	D-47 (21.3)	Solid	06/15/21 14:25	06/16/21 10:00	
480-186128-10	D-47 (22)	Solid	06/15/21 14:30	06/16/21 10:00	
480-186128-11	DUP-01-20210615	Solid	06/15/21 00:00	06/16/21 10:00	
480-186128-12	D-47 (22.4)	Solid	06/15/21 14:35	06/16/21 10:00	
480-186128-13	D-47 (23.5)	Solid	06/15/21 14:40	06/16/21 10:00	
480-186128-14	D-47 (16-20)	Solid	06/15/21 15:20	06/16/21 10:00	
480-186128-15	EB-01-20210615	Water	06/15/21 17:10	06/16/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:	Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-41 (23-23.8)	6-15-21	0930	G	Solid			X				
D-41 (25)	6-15-21	0945	G	Solid			X				
D-41 (31)	6-15-21	1020	G	Solid			X				
D-41 (31.8)	6-15-21	1025	G	Solid			X				
D-42 (23.5)	6-15-21	1150	G	Solid			X				
D-42 (24.5)	6-15-21	1200	G	Solid			X			1	
D-42 (31.5)	6-15-21	1220	G	Solid			X			1	
D-47 (20.2)	6-15-21	1420	G	Solid			X			1	15k + PID
D-47 (21.3)	6-15-21	1425	G	Solid			X			1	15k + PID
D-47 (22)	6-15-21	1430	G	Solid			X			1	15k + PID
DUP-01-20210615	6-15-21	—	G	Solid			X			1	

480-186128 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ryan Clare	6-15-21 1830	Arcadis	Cuatlacle	6/16/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		#1 2.8

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-47(22.4)	6-15-21	1435	G	Solid			X			1	
D-47(23.5)	6-15-21	1440	G	Solid			X			1	
D-47(16-20)	6-15-21	1520	G	Solid				X		2	
EB-01-20210615	6-15-21	1710	G	Water					X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	6-15-21 1830	Arcadis	Cadillac	6/16/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

480-186128 Chain of Custody

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R		COC No: 480-64550.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-186128-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 6/29/2021			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D_2974/ Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
D-47 (16-20) (480-186128-14)	6/15/21	15:20 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Shannon Lincoln	6/22/21 1700	TA	[illegible]	6/23/21 930	EPA Pitt
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186128-1

Login Number: 186128
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186128-1

Login Number: 186128
List Number: 2
Creator: Jodis, Matthew V

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 06/23/21 01:00 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186201-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/28/2021 5:07:32 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

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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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-186201-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186201-1

Comments
No additional comments.

Receipt
The samples were received on 6/17/2021 9:30 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 3.4º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-59 (32-32.9) (480-186201-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-47A (24.1-24.8) (480-186201-1), D-47A (26.1-26.8) (480-186201-2), D-47A (31.6-32) (480-186201-3), D-47A (32.5) (480-186201-4), D-59 (21.7-22.5) (480-186201-5), D-59 (21.7-22.5) (480-186201-5[MS]), D-59 (21.7-22.5) (480-186201-5[MSD]), D-59 (26.5) (480-186201-6), D-44 (23.5) (480-186201-8) and D-44 (25.3) (480-186201-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted due to the abundance of target analytes : D-59 (21.7-22.5) (480-186201-5[MS]) and D-59 (21.7-22.5) (480-186201-5[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-47A (32.5) (480-186201-4) and D-44 (25.3) (480-186201-9). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (24.1-24.8) — Lab Sample ID: 480-186201-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	81000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-47A (26.1-26.8) — Lab Sample ID: 480-186201-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	100000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-47A (31.6-32) — Lab Sample ID: 480-186201-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	510000		11000		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: D-47A (32.5) — Lab Sample ID: 480-186201-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	19000000	E	110000		ug/Kg	800	☼	8260C	Total/NA
Trichloroethene - DL	20000000		270000		ug/Kg	2000	☼	8260C	Total/NA

Client Sample ID: D-59 (21.7-22.5) — Lab Sample ID: 480-186201-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	120000		4400		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-59 (26.5) — Lab Sample ID: 480-186201-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	110000		4600		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-59 (32-32.9) — Lab Sample ID: 480-186201-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	4500		130		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-44 (23.5) — Lab Sample ID: 480-186201-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	29000		480		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-44 (25.3) — Lab Sample ID: 480-186201-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	6300000	E	50000		ug/Kg	400	☼	8260C	Total/NA
Trichloroethene - DL	5800000		100000		ug/Kg	800	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (24.1-24.8)
Date Collected: 06/16/21 10:30
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-1
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
2-Hexanone	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Acetone	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Benzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Bromodichloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Bromoform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Bromomethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Carbon disulfide	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Chlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Chloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Chloroform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Chloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Cyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Dibromochloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Ethylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Isopropylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Methyl acetate	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Methylcyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Methylene Chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Styrene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Tetrachloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Toluene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Trichloroethene	**81000**		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Vinyl chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20
Xylenes, Total	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 12:31	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (24.1-24.8)
Date Collected: 06/16/21 10:30
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-1
Matrix: Solid
Percent Solids: 90.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		53 - 146	06/20/21 14:07	06/22/21 12:31	20
4-Bromofluorobenzene (Surr)	103		49 - 148	06/20/21 14:07	06/22/21 12:31	20
Dibromofluoromethane (Surr)	89		60 - 140	06/20/21 14:07	06/22/21 12:31	20
Toluene-d8 (Surr)	95		50 - 149	06/20/21 14:07	06/22/21 12:31	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (26.1-26.8)
Date Collected: 06/16/21 10:35
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-2
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
2-Hexanone	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Acetone	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Benzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Bromodichloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Bromoform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Bromomethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Carbon disulfide	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Chlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Chloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Chloroform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Chloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Cyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Dibromochloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Ethylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Isopropylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Methyl acetate	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Methylcyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Methylene Chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Styrene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Tetrachloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Toluene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Trichloroethene	**100000**		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Vinyl chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20
Xylenes, Total	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 12:54	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (26.1-26.8)
Date Collected: 06/16/21 10:35
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-2
Matrix: Solid
Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		53 - 146	06/20/21 14:07	06/22/21 12:54	20
4-Bromofluorobenzene (Surr)	102		49 - 148	06/20/21 14:07	06/22/21 12:54	20
Dibromofluoromethane (Surr)	88		60 - 140	06/20/21 14:07	06/22/21 12:54	20
Toluene-d8 (Surr)	94		50 - 149	06/20/21 14:07	06/22/21 12:54	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (31.6-32)
Date Collected: 06/16/21 13:50
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-3
Matrix: Solid
Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,1,2,2-Tetrachloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,1,2-Trichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,1-Dichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,1-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2,4-Trichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2-Dibromo-3-Chloropropane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2-Dibromoethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2-Dichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,2-Dichloropropane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,3-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
1,4-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
2-Butanone (MEK)	ND		53000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
2-Hexanone	ND		53000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
4-Methyl-2-pentanone (MIBK)	ND		53000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Acetone	ND		53000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Benzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Bromodichloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Bromoform	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Bromomethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Carbon disulfide	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Carbon tetrachloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Chlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Chloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Chloroform	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Chloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
cis-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
cis-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Cyclohexane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Dibromochloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Dichlorodifluoromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Ethylbenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Isopropylbenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Methyl acetate	ND		53000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Methyl tert-butyl ether	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Methylcyclohexane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Methylene Chloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Styrene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Tetrachloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Toluene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
trans-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
trans-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Trichloroethene	**510000**		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Trichlorofluoromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Vinyl chloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80
Xylenes, Total	ND		21000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:17	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (31.6-32)
Date Collected: 06/16/21 13:50
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-3
Matrix: Solid
Percent Solids: 80.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		53 - 146	06/20/21 14:07	06/22/21 13:17	80
4-Bromofluorobenzene (Surr)	101		49 - 148	06/20/21 14:07	06/22/21 13:17	80
Dibromofluoromethane (Surr)	93		60 - 140	06/20/21 14:07	06/22/21 13:17	80
Toluene-d8 (Surr)	94		50 - 149	06/20/21 14:07	06/22/21 13:17	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (32.5)
Date Collected: 06/16/21 13:55
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-4
Matrix: Solid
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,1,2,2-Tetrachloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,1,2-Trichloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,1-Dichloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,1-Dichloroethene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2,4-Trichlorobenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2-Dibromo-3-Chloropropane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2-Dibromoethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2-Dichlorobenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2-Dichloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,2-Dichloropropane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,3-Dichlorobenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
1,4-Dichlorobenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
2-Butanone (MEK)	ND		540000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
2-Hexanone	ND		540000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
4-Methyl-2-pentanone (MIBK)	ND		540000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Acetone	ND		540000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Benzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Bromodichloromethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Bromoform	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Bromomethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Carbon disulfide	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Carbon tetrachloride	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Chlorobenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Chloroethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Chloroform	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Chloromethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
cis-1,2-Dichloroethene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
cis-1,3-Dichloropropene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Cyclohexane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Dibromochloromethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Dichlorodifluoromethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Ethylbenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Isopropylbenzene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Methyl acetate	ND		540000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Methyl tert-butyl ether	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Methylcyclohexane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Methylene Chloride	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Styrene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Tetrachloroethene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Toluene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
trans-1,2-Dichloroethene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
trans-1,3-Dichloropropene	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Trichloroethene	**19000000**	**E**	110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Trichlorofluoromethane	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Vinyl chloride	ND		110000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800
Xylenes, Total	ND		220000		ug/Kg	☼	06/20/21 14:07	06/22/21 13:40	800

Client Sample ID: D-47A (32.5)
Date Collected: 06/16/21 13:55
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-4
Matrix: Solid
Percent Solids: 79.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/20/21 14:07*	*06/22/21 13:40*	*800*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*06/20/21 14:07*	*06/22/21 13:40*	*800*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/20/21 14:07*	*06/22/21 13:40*	*800*
Toluene-d8 (Surr)	*94*		*50 - 149*	*06/20/21 14:07*	*06/22/21 13:40*	*800*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,1,2,2-Tetrachloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,1,2-Trichloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,1-Dichloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,1-Dichloroethene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2,4-Trichlorobenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2-Dibromo-3-Chloropropane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2-Dibromoethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2-Dichlorobenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2-Dichloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,2-Dichloropropane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,3-Dichlorobenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
1,4-Dichlorobenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
2-Butanone (MEK)	ND		1300000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
2-Hexanone	ND		1300000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
4-Methyl-2-pentanone (MIBK)	ND		1300000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Acetone	ND		1300000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Benzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Bromodichloromethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Bromoform	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Bromomethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Carbon disulfide	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Carbon tetrachloride	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Chlorobenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Chloroethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Chloroform	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Chloromethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
cis-1,2-Dichloroethene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
cis-1,3-Dichloropropene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Cyclohexane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Dibromochloromethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Dichlorodifluoromethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Ethylbenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Isopropylbenzene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Methyl acetate	ND		1300000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Methyl tert-butyl ether	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Methylcyclohexane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Methylene Chloride	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Styrene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Tetrachloroethene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Toluene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
trans-1,2-Dichloroethene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-47A (32.5)
Date Collected: 06/16/21 13:55
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-4
Matrix: Solid
Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Trichloroethene	**20000000**		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Trichlorofluoromethane	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Vinyl chloride	ND		270000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000
Xylenes, Total	ND		540000		ug/Kg	☼	06/20/21 14:07	06/23/21 12:37	2000

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*06/20/21 14:07*	*06/23/21 12:37*	*2000*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/20/21 14:07*	*06/23/21 12:37*	*2000*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*06/20/21 14:07*	*06/23/21 12:37*	*2000*
Toluene-d8 (Surr)	*90*		*50 - 149*	*06/20/21 14:07*	*06/23/21 12:37*	*2000*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (21.7-22.5)
Date Collected: 06/16/21 12:50
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-5
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,1,2,2-Tetrachloroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,1,2-Trichloroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,1-Dichloroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,1-Dichloroethene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2,4-Trichlorobenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2-Dibromo-3-Chloropropane	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2-Dibromoethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2-Dichlorobenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2-Dichloroethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,2-Dichloropropane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,3-Dichlorobenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
1,4-Dichlorobenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
2-Butanone (MEK)	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
2-Hexanone	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
4-Methyl-2-pentanone (MIBK)	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Acetone	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Benzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Bromodichloromethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Bromoform	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Bromomethane	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Carbon disulfide	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Carbon tetrachloride	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Chlorobenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Chloroethane	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Chloroform	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Chloromethane	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
cis-1,2-Dichloroethene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
cis-1,3-Dichloropropene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Cyclohexane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Dibromochloromethane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Dichlorodifluoromethane	ND	F2	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Ethylbenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Isopropylbenzene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Methyl acetate	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Methyl tert-butyl ether	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Methylcyclohexane	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Methylene Chloride	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Styrene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Tetrachloroethene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Toluene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
trans-1,2-Dichloroethene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
trans-1,3-Dichloropropene	ND		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Trichloroethene	**120000**		4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Trichlorofluoromethane	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Vinyl chloride	ND	F1	4400		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40
Xylenes, Total	ND	F1	8900		ug/Kg	☼	06/20/21 14:07	06/22/21 14:04	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (21.7-22.5)
Date Collected: 06/16/21 12:50
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-5
Matrix: Solid
Percent Solids: 92.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		53 - 146	06/20/21 14:07	06/22/21 14:04	40
4-Bromofluorobenzene (Surr)	99		49 - 148	06/20/21 14:07	06/22/21 14:04	40
Dibromofluoromethane (Surr)	94		60 - 140	06/20/21 14:07	06/22/21 14:04	40
Toluene-d8 (Surr)	90		50 - 149	06/20/21 14:07	06/22/21 14:04	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (26.5)
Date Collected: 06/16/21 13:05
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-6
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,1,2,2-Tetrachloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,1,2-Trichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,1-Dichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,1-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2,4-Trichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2-Dibromo-3-Chloropropane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2-Dibromoethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2-Dichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,2-Dichloropropane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,3-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
1,4-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
2-Butanone (MEK)	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
2-Hexanone	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
4-Methyl-2-pentanone (MIBK)	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Acetone	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Benzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Bromodichloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Bromoform	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Bromomethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Carbon disulfide	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Carbon tetrachloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Chlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Chloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Chloroform	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Chloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
cis-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
cis-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Cyclohexane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Dibromochloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Dichlorodifluoromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Ethylbenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Isopropylbenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Methyl acetate	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Methyl tert-butyl ether	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Methylcyclohexane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Methylene Chloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Styrene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Tetrachloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Toluene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
trans-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
trans-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Trichloroethene	**110000**		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Trichlorofluoromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Vinyl chloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40
Xylenes, Total	ND		9200		ug/Kg	☼	06/20/21 14:07	06/22/21 14:27	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (26.5)
Date Collected: 06/16/21 13:05
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-6
Matrix: Solid
Percent Solids: 89.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/20/21 14:07	06/22/21 14:27	40
4-Bromofluorobenzene (Surr)	105		49 - 148	06/20/21 14:07	06/22/21 14:27	40
Dibromofluoromethane (Surr)	96		60 - 140	06/20/21 14:07	06/22/21 14:27	40
Toluene-d8 (Surr)	92		50 - 149	06/20/21 14:07	06/22/21 14:27	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (32-32.9)
Date Collected: 06/16/21 15:00
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-7
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,1,2-Trichloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,1-Dichloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,1-Dichloroethene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2-Dibromo-3-Chloropropane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2-Dibromoethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2-Dichlorobenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2-Dichloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,2-Dichloropropane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,3-Dichlorobenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
1,4-Dichlorobenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
2-Butanone (MEK)	ND		630		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
2-Hexanone	ND		630		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		630		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Acetone	ND		630		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Benzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Bromodichloromethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Bromoform	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Bromomethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Carbon disulfide	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Carbon tetrachloride	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Chlorobenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Chloroethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Chloroform	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Chloromethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
cis-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
cis-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Cyclohexane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Dibromochloromethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Dichlorodifluoromethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Ethylbenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Isopropylbenzene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Methyl acetate	ND		630		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Methyl tert-butyl ether	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Methylcyclohexane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Methylene Chloride	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Styrene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Tetrachloroethene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Toluene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
trans-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
trans-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Trichloroethene	**4500**		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Trichlorofluoromethane	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Vinyl chloride	ND		130		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1
Xylenes, Total	ND		250		ug/Kg	☼	06/20/21 14:07	06/22/21 14:50	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (32-32.9)
Date Collected: 06/16/21 15:00
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-7
Matrix: Solid
Percent Solids: 85.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/20/21 14:07	06/22/21 14:50	1
4-Bromofluorobenzene (Surr)	101		49 - 148	06/20/21 14:07	06/22/21 14:50	1
Dibromofluoromethane (Surr)	92		60 - 140	06/20/21 14:07	06/22/21 14:50	1
Toluene-d8 (Surr)	92		50 - 149	06/20/21 14:07	06/22/21 14:50	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-44 (23.5)
Date Collected: 06/16/21 15:25
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-8
Matrix: Solid
Percent Solids: 87.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,1,2,2-Tetrachloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,1,2-Trichloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,1-Dichloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,1-Dichloroethene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2,4-Trichlorobenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2-Dibromo-3-Chloropropane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2-Dibromoethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2-Dichlorobenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2-Dichloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,2-Dichloropropane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,3-Dichlorobenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
1,4-Dichlorobenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
2-Butanone (MEK)	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
2-Hexanone	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
4-Methyl-2-pentanone (MIBK)	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Acetone	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Benzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Bromodichloromethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Bromoform	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Bromomethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Carbon disulfide	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Carbon tetrachloride	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Chlorobenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Chloroethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Chloroform	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Chloromethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
cis-1,2-Dichloroethene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
cis-1,3-Dichloropropene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Cyclohexane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Dibromochloromethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Dichlorodifluoromethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Ethylbenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Isopropylbenzene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Methyl acetate	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Methyl tert-butyl ether	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Methylcyclohexane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Methylene Chloride	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Styrene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Tetrachloroethene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Toluene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
trans-1,2-Dichloroethene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
trans-1,3-Dichloropropene	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Trichloroethene	**29000**		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Trichlorofluoromethane	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Vinyl chloride	ND		480		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4
Xylenes, Total	ND		960		ug/Kg	☼	06/20/21 14:07	06/22/21 15:13	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-44 (23.5)
Date Collected: 06/16/21 15:25
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-8
Matrix: Solid
Percent Solids: 87.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/20/21 14:07	06/22/21 15:13	4
4-Bromofluorobenzene (Surr)	100		49 - 148	06/20/21 14:07	06/22/21 15:13	4
Dibromofluoromethane (Surr)	92		60 - 140	06/20/21 14:07	06/22/21 15:13	4
Toluene-d8 (Surr)	92		50 - 149	06/20/21 14:07	06/22/21 15:13	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-44 (25.3)
Date Collected: 06/16/21 16:00
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-9
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,1,2,2-Tetrachloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,1,2-Trichloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,1-Dichloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,1-Dichloroethene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2,4-Trichlorobenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2-Dibromo-3-Chloropropane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2-Dibromoethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2-Dichlorobenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2-Dichloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,2-Dichloropropane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,3-Dichlorobenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
1,4-Dichlorobenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
2-Butanone (MEK)	ND		250000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
2-Hexanone	ND		250000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
4-Methyl-2-pentanone (MIBK)	ND		250000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Acetone	ND		250000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Benzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Bromodichloromethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Bromoform	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Bromomethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Carbon disulfide	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Carbon tetrachloride	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Chlorobenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Chloroethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Chloroform	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Chloromethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
cis-1,2-Dichloroethene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
cis-1,3-Dichloropropene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Cyclohexane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Dibromochloromethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Dichlorodifluoromethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Ethylbenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Isopropylbenzene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Methyl acetate	ND		250000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Methyl tert-butyl ether	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Methylcyclohexane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Methylene Chloride	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Styrene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Tetrachloroethene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Toluene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
trans-1,2-Dichloroethene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
trans-1,3-Dichloropropene	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Trichloroethene	**6300000**	**E**	50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Trichlorofluoromethane	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Vinyl chloride	ND		50000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400
Xylenes, Total	ND		100000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:36	400

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-44 (25.3)
Date Collected: 06/16/21 16:00
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-9
Matrix: Solid
Percent Solids: 84.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*06/20/21 14:07*	*06/22/21 15:36*	*400*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/20/21 14:07*	*06/22/21 15:36*	*400*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*06/20/21 14:07*	*06/22/21 15:36*	*400*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/20/21 14:07*	*06/22/21 15:36*	*400*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,1,2,2-Tetrachloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,1,2-Trichloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,1-Dichloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,1-Dichloroethene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2,4-Trichlorobenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2-Dibromo-3-Chloropropane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2-Dibromoethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2-Dichlorobenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2-Dichloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,2-Dichloropropane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,3-Dichlorobenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
1,4-Dichlorobenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
2-Butanone (MEK)	ND		500000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
2-Hexanone	ND		500000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
4-Methyl-2-pentanone (MIBK)	ND		500000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Acetone	ND		500000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Benzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Bromodichloromethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Bromoform	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Bromomethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Carbon disulfide	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Carbon tetrachloride	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Chlorobenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Chloroethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Chloroform	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Chloromethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
cis-1,2-Dichloroethene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
cis-1,3-Dichloropropene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Cyclohexane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Dibromochloromethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Dichlorodifluoromethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Ethylbenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Isopropylbenzene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Methyl acetate	ND		500000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Methyl tert-butyl ether	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Methylcyclohexane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Methylene Chloride	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Styrene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Tetrachloroethene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Toluene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
trans-1,2-Dichloroethene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-44 (25.3)
Date Collected: 06/16/21 16:00
Date Received: 06/17/21 09:30

Lab Sample ID: 480-186201-9
Matrix: Solid
Percent Solids: 84.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Trichloroethene	**5800000**		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Trichlorofluoromethane	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Vinyl chloride	ND		100000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800
Xylenes, Total	ND		200000		ug/Kg	☼	06/20/21 14:07	06/23/21 13:00	800

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*06/20/21 14:07*	*06/23/21 13:00*	*800*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*06/20/21 14:07*	*06/23/21 13:00*	*800*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/20/21 14:07*	*06/23/21 13:00*	*800*
Toluene-d8 (Surr)	*86*		*50 - 149*	*06/20/21 14:07*	*06/23/21 13:00*	*800*

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186201-1	D-47A (24.1-24.8)	87	103	89	95
480-186201-2	D-47A (26.1-26.8)	88	102	88	94
480-186201-3	D-47A (31.6-32)	87	101	93	94
480-186201-4	D-47A (32.5)	91	101	93	94
480-186201-4 - DL	D-47A (32.5)	90	99	92	90
480-186201-5	D-59 (21.7-22.5)	86	99	94	90
480-186201-5 MS	D-59 (21.7-22.5)	93	103	93	91
480-186201-5 MSD	D-59 (21.7-22.5)	92	101	93	91
480-186201-6	D-59 (26.5)	92	105	96	92
480-186201-7	D-59 (32-32.9)	92	101	92	92
480-186201-8	D-44 (23.5)	91	100	92	92
480-186201-9	D-44 (25.3)	90	100	94	91
480-186201-9 - DL	D-44 (25.3)	93	96	93	86
LCS 480-586169/1-A	Lab Control Sample	90	105	93	95
MB 480-586169/2-A	Method Blank	91	99	92	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586169/2-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1-Dichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dibromoethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichloropropane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
2-Butanone (MEK)	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
2-Hexanone	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Acetone	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Benzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromodichloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromoform	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromomethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Carbon disulfide	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Carbon tetrachloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloroform	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Cyclohexane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Dibromochloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Ethylbenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Isopropylbenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methyl acetate	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methylcyclohexane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methylene Chloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Styrene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Tetrachloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Toluene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Trichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Trichlorofluoromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Vinyl chloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Xylenes, Total	ND		200		ug/Kg		06/20/21 14:07	06/22/21 10:59	1

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

Lab Sample ID: MB 480-586169/2-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586169

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/20/21 14:07*	*06/22/21 10:59*	*1*

Lab Sample ID: LCS 480-586169/1-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2270		ug/Kg		91	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2610		ug/Kg		105	10 - 179
1,1,2-Trichloroethane	2500	2400		ug/Kg		96	80 - 120
1,1-Dichloroethane	2500	2410		ug/Kg		96	78 - 121
1,1-Dichloroethene	2500	2630		ug/Kg		105	48 - 133
1,2,4-Trichlorobenzene	2500	2360		ug/Kg		95	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1940		ug/Kg		78	56 - 122
1,2-Dibromoethane	2500	2370		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	2500	2290		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2160		ug/Kg		86	74 - 127
1,2-Dichloropropane	2500	2280		ug/Kg		91	80 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2240		ug/Kg		90	80 - 120
2-Butanone (MEK)	12500	10900		ug/Kg		87	54 - 149
2-Hexanone	12500	10300		ug/Kg		82	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Acetone	12500	11400		ug/Kg		91	47 - 141
Benzene	2500	2390		ug/Kg		96	77 - 125
Bromodichloromethane	2500	2370		ug/Kg		95	71 - 121
Bromoform	2500	2280		ug/Kg		91	48 - 125
Bromomethane	2500	2070		ug/Kg		83	39 - 149
Carbon disulfide	2500	2360		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2270		ug/Kg		91	54 - 135
Chlorobenzene	2500	2460		ug/Kg		99	76 - 126
Chloroethane	2500	2120		ug/Kg		85	23 - 150
Chloroform	2500	2250		ug/Kg		90	78 - 120
Chloromethane	2500	2470		ug/Kg		99	61 - 124
cis-1,2-Dichloroethene	2500	2400		ug/Kg		96	79 - 124
cis-1,3-Dichloropropene	2500	2500		ug/Kg		100	75 - 121
Cyclohexane	2500	2510		ug/Kg		100	49 - 129
Dibromochloromethane	2500	2320		ug/Kg		93	64 - 120
Dichlorodifluoromethane	2500	2280		ug/Kg		91	10 - 150
Ethylbenzene	2500	2530		ug/Kg		101	78 - 124
Isopropylbenzene	2500	2650		ug/Kg		106	76 - 120
Methyl acetate	5000	4310		ug/Kg		86	71 - 123
Methyl tert-butyl ether	2500	2390		ug/Kg		96	67 - 137
Methylcyclohexane	2500	2580		ug/Kg		103	50 - 130

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

Lab Sample ID: LCS 480-586169/1-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2620		ug/Kg		105	75 - 118
Styrene	2500	2490		ug/Kg		100	80 - 120
Tetrachloroethene	2500	2290		ug/Kg		92	73 - 133
Toluene	2500	2540		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2380		ug/Kg		95	74 - 129
trans-1,3-Dichloropropene	2500	2510		ug/Kg		101	73 - 120
Trichloroethene	2500	2400		ug/Kg		96	75 - 131
Trichlorofluoromethane	2500	2300		ug/Kg		92	29 - 158
Vinyl chloride	2500	2770		ug/Kg		111	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: 480-186201-5 MS
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: D-59 (21.7-22.5)
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2670	ND		ug/Kg	☼	117	64 - 142
1,1,2,2-Tetrachloroethane	ND		2670	ND		ug/Kg	☼	125	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2670	ND		ug/Kg	☼	140	64 - 154
1,1,2-Trichloroethane	ND		2670	ND		ug/Kg	☼	122	63 - 133
1,1-Dichloroethane	ND		2670	ND		ug/Kg	☼	115	64 - 135
1,1-Dichloroethene	ND		2670	ND		ug/Kg	☼	140	62 - 145
1,2,4-Trichlorobenzene	ND		2670	ND		ug/Kg	☼	114	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F1	2670	ND		ug/Kg	☼	87	40 - 122
1,2-Dibromoethane	ND		2670	ND		ug/Kg	☼	98	65 - 133
1,2-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	103	68 - 133
1,2-Dichloroethane	ND		2670	ND		ug/Kg	☼	129	62 - 135
1,2-Dichloropropane	ND		2670	ND		ug/Kg	☼	114	67 - 139
1,3-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	117	68 - 136
1,4-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	125	69 - 136
2-Butanone (MEK)	ND		13400	ND		ug/Kg	☼	108	46 - 132
2-Hexanone	ND		13400	ND		ug/Kg	☼	101	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		13400	ND		ug/Kg	☼	105	49 - 125
Acetone	ND		13400	ND		ug/Kg	☼	NC	32 - 136
Benzene	ND		2670	ND		ug/Kg	☼	133	68 - 137
Bromodichloromethane	ND		2670	ND		ug/Kg	☼	119	62 - 136
Bromoform	ND	F1	2670	ND		ug/Kg	☼	96	43 - 134
Bromomethane	ND	F1	2670	4720	F1	ug/Kg	☼	177	38 - 137
Carbon disulfide	ND		2670	ND		ug/Kg	☼	128	52 - 139
Carbon tetrachloride	ND		2670	ND		ug/Kg	☼	124	60 - 150
Chlorobenzene	ND		2670	ND		ug/Kg	☼	126	67 - 136
Chloroethane	ND	F1	2670	4880	F1	ug/Kg	☼	183	34 - 140
Chloroform	ND		2670	ND		ug/Kg	☼	NC	64 - 133

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

Lab Sample ID: 480-186201-5 MS
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: D-59 (21.7-22.5)
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	F1	2670	4550	F1	ug/Kg	☼	170	47 - 143
cis-1,2-Dichloroethene	ND		2670	ND		ug/Kg	☼	125	65 - 137
cis-1,3-Dichloropropene	ND		2670	ND		ug/Kg	☼	117	61 - 148
Cyclohexane	ND		2670	ND		ug/Kg	☼	127	63 - 149
Dibromochloromethane	ND		2670	ND		ug/Kg	☼	111	57 - 137
Dichlorodifluoromethane	ND	F2	2670	ND		ug/Kg	☼	144	26 - 150
Ethylbenzene	ND		2670	ND		ug/Kg	☼	119	67 - 136
Isopropylbenzene	ND		2670	ND		ug/Kg	☼	120	65 - 147
Methyl acetate	ND		5340	ND		ug/Kg	☼	121	50 - 124
Methyl tert-butyl ether	ND	F1	2670	ND		ug/Kg	☼	115	60 - 130
Methylcyclohexane	ND		2670	ND		ug/Kg	☼	133	67 - 150
Methylene Chloride	ND	F1	2670	ND	F1	ug/Kg	☼	151	63 - 138
Styrene	ND		2670	ND		ug/Kg	☼	127	68 - 137
Tetrachloroethene	ND		2670	ND		ug/Kg	☼	109	67 - 150
Toluene	ND		2670	ND		ug/Kg	☼	115	68 - 137
trans-1,2-Dichloroethene	ND		2670	ND		ug/Kg	☼	129	65 - 138
trans-1,3-Dichloropropene	ND		2670	ND		ug/Kg	☼	110	58 - 143
Trichloroethene	120000		2670	122000	4	ug/Kg	☼	158	69 - 143
Trichlorofluoromethane	ND	F1	2670	ND	F1	ug/Kg	☼	157	35 - 150
Vinyl chloride	ND	F1	2670	4810	F1	ug/Kg	☼	180	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

Lab Sample ID: 480-186201-5 MSD
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: D-59 (21.7-22.5)
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2670	ND		ug/Kg	☼	114	64 - 142	2	20
1,1,2,2-Tetrachloroethane	ND		2670	ND		ug/Kg	☼	124	56 - 128	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2670	ND		ug/Kg	☼	115	64 - 154	20	20
1,1,2-Trichloroethane	ND		2670	ND		ug/Kg	☼	121	63 - 133	1	20
1,1-Dichloroethane	ND		2670	ND		ug/Kg	☼	121	64 - 135	5	20
1,1-Dichloroethene	ND		2670	ND		ug/Kg	☼	136	62 - 145	3	20
1,2,4-Trichlorobenzene	ND		2670	ND		ug/Kg	☼	112	56 - 145	1	20
1,2-Dibromo-3-Chloropropane	ND	F1	2670	ND	F1	ug/Kg	☼	0	40 - 122	NC	20
1,2-Dibromoethane	ND		2670	ND		ug/Kg	☼	107	65 - 133	9	20
1,2-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	107	68 - 133	4	20
1,2-Dichloroethane	ND		2670	ND		ug/Kg	☼	120	62 - 135	7	20
1,2-Dichloropropane	ND		2670	ND		ug/Kg	☼	112	67 - 139	1	20
1,3-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	114	68 - 136	3	20
1,4-Dichlorobenzene	ND		2670	ND		ug/Kg	☼	119	69 - 136	5	20
2-Butanone (MEK)	ND		13400	ND		ug/Kg	☼	121	46 - 132	11	20
2-Hexanone	ND		13400	ND		ug/Kg	☼	114	44 - 130	12	20

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

Lab Sample ID: 480-186201-5 MSD
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: D-59 (21.7-22.5)
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		13400	ND		ug/Kg	☼	116	49 - 125	11	20
Acetone	ND		13400	ND		ug/Kg	☼	NC	32 - 136	NC	20
Benzene	ND		2670	ND		ug/Kg	☼	120	68 - 137	10	20
Bromodichloromethane	ND		2670	ND		ug/Kg	☼	119	62 - 136	1	20
Bromoform	ND	F1	2670	ND	F1	ug/Kg	☼	0	43 - 134	NC	20
Bromomethane	ND	F1	2670	4740	F1	ug/Kg	☼	177	38 - 137	0	20
Carbon disulfide	ND		2670	ND		ug/Kg	☼	119	52 - 139	8	20
Carbon tetrachloride	ND		2670	ND		ug/Kg	☼	112	60 - 150	10	20
Chlorobenzene	ND		2670	ND		ug/Kg	☼	122	67 - 136	3	20
Chloroethane	ND	F1	2670	ND	F1	ug/Kg	☼	151	34 - 140	19	20
Chloroform	ND		2670	ND		ug/Kg	☼	NC	64 - 133	10	20
Chloromethane	ND	F1	2670	ND	F1	ug/Kg	☼	150	47 - 143	12	20
cis-1,2-Dichloroethene	ND		2670	ND		ug/Kg	☼	134	65 - 137	6	20
cis-1,3-Dichloropropene	ND		2670	ND		ug/Kg	☼	96	61 - 148	20	20
Cyclohexane	ND		2670	ND		ug/Kg	☼	112	63 - 149	13	20
Dibromochloromethane	ND		2670	ND		ug/Kg	☼	98	57 - 137	12	20
Dichlorodifluoromethane	ND	F2	2670	ND	F2	ug/Kg	☼	100	26 - 150	37	20
Ethylbenzene	ND		2670	ND		ug/Kg	☼	101	67 - 136	15	20
Isopropylbenzene	ND		2670	ND		ug/Kg	☼	103	65 - 147	16	20
Methyl acetate	ND		5350	ND		ug/Kg	☼	111	50 - 124	8	20
Methyl tert-butyl ether	ND	F1	2670	ND	F1	ug/Kg	☼	132	60 - 130	14	20
Methylcyclohexane	ND		2670	ND		ug/Kg	☼	121	67 - 150	9	20
Methylene Chloride	ND	F1	2670	ND	F1	ug/Kg	☼	150	63 - 138	0	20
Styrene	ND		2670	ND		ug/Kg	☼	108	68 - 137	15	20
Tetrachloroethene	ND		2670	ND		ug/Kg	☼	105	67 - 150	4	20
Toluene	ND		2670	ND		ug/Kg	☼	124	68 - 137	8	20
trans-1,2-Dichloroethene	ND		2670	ND		ug/Kg	☼	112	65 - 138	14	20
trans-1,3-Dichloropropene	ND		2670	ND		ug/Kg	☼	92	58 - 143	17	20
Trichloroethene	120000		2670	116000	4	ug/Kg	☼	-49	69 - 143	5	20
Trichlorofluoromethane	ND	F1	2670	ND		ug/Kg	☼	129	35 - 150	19	20
Vinyl chloride	ND	F1	2670	ND	F1	ug/Kg	☼	156	56 - 150	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

GC/MS VOA

Prep Batch: 586169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186201-1	D-47A (24.1-24.8)	Total/NA	Solid	5035A_H	
480-186201-2	D-47A (26.1-26.8)	Total/NA	Solid	5035A_H	
480-186201-3	D-47A (31.6-32)	Total/NA	Solid	5035A_H	
480-186201-4	D-47A (32.5)	Total/NA	Solid	5035A_H	
480-186201-4 - DL	D-47A (32.5)	Total/NA	Solid	5035A_H	
480-186201-5	D-59 (21.7-22.5)	Total/NA	Solid	5035A_H	
480-186201-6	D-59 (26.5)	Total/NA	Solid	5035A_H	
480-186201-7	D-59 (32-32.9)	Total/NA	Solid	5035A_H	
480-186201-8	D-44 (23.5)	Total/NA	Solid	5035A_H	
480-186201-9	D-44 (25.3)	Total/NA	Solid	5035A_H	
480-186201-9 - DL	D-44 (25.3)	Total/NA	Solid	5035A_H	
MB 480-586169/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586169/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186201-5 MS	D-59 (21.7-22.5)	Total/NA	Solid	5035A_H	
480-186201-5 MSD	D-59 (21.7-22.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 586349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186201-1	D-47A (24.1-24.8)	Total/NA	Solid	8260C	586169
480-186201-2	D-47A (26.1-26.8)	Total/NA	Solid	8260C	586169
480-186201-3	D-47A (31.6-32)	Total/NA	Solid	8260C	586169
480-186201-4	D-47A (32.5)	Total/NA	Solid	8260C	586169
480-186201-5	D-59 (21.7-22.5)	Total/NA	Solid	8260C	586169
480-186201-6	D-59 (26.5)	Total/NA	Solid	8260C	586169
480-186201-7	D-59 (32-32.9)	Total/NA	Solid	8260C	586169
480-186201-8	D-44 (23.5)	Total/NA	Solid	8260C	586169
480-186201-9	D-44 (25.3)	Total/NA	Solid	8260C	586169
MB 480-586169/2-A	Method Blank	Total/NA	Solid	8260C	586169
LCS 480-586169/1-A	Lab Control Sample	Total/NA	Solid	8260C	586169
480-186201-5 MS	D-59 (21.7-22.5)	Total/NA	Solid	8260C	586169
480-186201-5 MSD	D-59 (21.7-22.5)	Total/NA	Solid	8260C	586169

Analysis Batch: 586544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186201-4 - DL	D-47A (32.5)	Total/NA	Solid	8260C	586169
480-186201-9 - DL	D-44 (25.3)	Total/NA	Solid	8260C	586169

General Chemistry

Analysis Batch: 585921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186201-1	D-47A (24.1-24.8)	Total/NA	Solid	Moisture	
480-186201-2	D-47A (26.1-26.8)	Total/NA	Solid	Moisture	
480-186201-3	D-47A (31.6-32)	Total/NA	Solid	Moisture	
480-186201-4	D-47A (32.5)	Total/NA	Solid	Moisture	
480-186201-5	D-59 (21.7-22.5)	Total/NA	Solid	Moisture	
480-186201-6	D-59 (26.5)	Total/NA	Solid	Moisture	
480-186201-7	D-59 (32-32.9)	Total/NA	Solid	Moisture	
480-186201-8	D-44 (23.5)	Total/NA	Solid	Moisture	
480-186201-9	D-44 (25.3)	Total/NA	Solid	Moisture	
480-186201-5 MS	D-59 (21.7-22.5)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 585921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186201-5 MSD	D-59 (21.7-22.5)	Total/NA	Solid	Moisture	

Client Sample ID: D-47A (24.1-24.8) — **Lab Sample ID: 480-186201-1**
Date Collected: 06/16/21 10:30 — **Matrix: Solid**
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47A (24.1-24.8) — **Lab Sample ID: 480-186201-1**
Date Collected: 06/16/21 10:30 — **Matrix: Solid**
Date Received: 06/17/21 09:30 — **Percent Solids: 90.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586349	06/22/21 12:31	CRL	TAL BUF

Client Sample ID: D-47A (26.1-26.8) — **Lab Sample ID: 480-186201-2**
Date Collected: 06/16/21 10:35 — **Matrix: Solid**
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47A (26.1-26.8) — **Lab Sample ID: 480-186201-2**
Date Collected: 06/16/21 10:35 — **Matrix: Solid**
Date Received: 06/17/21 09:30 — **Percent Solids: 90.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586349	06/22/21 12:54	CRL	TAL BUF

Client Sample ID: D-47A (31.6-32) — **Lab Sample ID: 480-186201-3**
Date Collected: 06/16/21 13:50 — **Matrix: Solid**
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47A (31.6-32) — **Lab Sample ID: 480-186201-3**
Date Collected: 06/16/21 13:50 — **Matrix: Solid**
Date Received: 06/17/21 09:30 — **Percent Solids: 80.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		80	586349	06/22/21 13:17	CRL	TAL BUF

Client Sample ID: D-47A (32.5) — **Lab Sample ID: 480-186201-4**
Date Collected: 06/16/21 13:55 — **Matrix: Solid**
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-47A (32.5)
Lab Sample ID: 480-186201-4

Date Collected: 06/16/21 13:55
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		800	586349	06/22/21 13:40	CRL	TAL BUF
Total/NA	Prep	5035A_H	DL		586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	2000	586544	06/23/21 12:37	WJD	TAL BUF

Client Sample ID: D-59 (21.7-22.5)
Lab Sample ID: 480-186201-5

Date Collected: 06/16/21 12:50
Matrix: Solid
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:51	IMZ	TAL BUF

Client Sample ID: D-59 (21.7-22.5)
Lab Sample ID: 480-186201-5

Date Collected: 06/16/21 12:50
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		40	586349	06/22/21 14:04	CRL	TAL BUF

Client Sample ID: D-59 (26.5)
Lab Sample ID: 480-186201-6

Date Collected: 06/16/21 13:05
Matrix: Solid
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:52	IMZ	TAL BUF

Client Sample ID: D-59 (26.5)
Lab Sample ID: 480-186201-6

Date Collected: 06/16/21 13:05
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		40	586349	06/22/21 14:27	CRL	TAL BUF

Client Sample ID: D-59 (32-32.9)
Lab Sample ID: 480-186201-7

Date Collected: 06/16/21 15:00
Matrix: Solid
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:52	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Client Sample ID: D-59 (32-32.9)

Lab Sample ID: 480-186201-7

Date Collected: 06/16/21 15:00
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		1	586349	06/22/21 14:50	CRL	TAL BUF

Client Sample ID: D-44 (23.5)

Lab Sample ID: 480-186201-8

Date Collected: 06/16/21 15:25
Matrix: Solid
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:52	IMZ	TAL BUF

Client Sample ID: D-44 (23.5)

Lab Sample ID: 480-186201-8

Date Collected: 06/16/21 15:25
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		4	586349	06/22/21 15:13	CRL	TAL BUF

Client Sample ID: D-44 (25.3)

Lab Sample ID: 480-186201-9

Date Collected: 06/16/21 16:00
Matrix: Solid
Date Received: 06/17/21 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	585921	06/17/21 15:52	IMZ	TAL BUF

Client Sample ID: D-44 (25.3)

Lab Sample ID: 480-186201-9

Date Collected: 06/16/21 16:00
Matrix: Solid
Date Received: 06/17/21 09:30
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		400	586349	06/22/21 15:36	CRL	TAL BUF
Total/NA	Prep	5035A_H	DL		586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C	DL	800	586544	06/23/21 13:00	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186201-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186201-1	D-47A (24.1-24.8)	Solid	06/16/21 10:30	06/17/21 09:30	
480-186201-2	D-47A (26.1-26.8)	Solid	06/16/21 10:35	06/17/21 09:30	
480-186201-3	D-47A (31.6-32)	Solid	06/16/21 13:50	06/17/21 09:30	
480-186201-4	D-47A (32.5)	Solid	06/16/21 13:55	06/17/21 09:30	
480-186201-5	D-59 (21.7-22.5)	Solid	06/16/21 12:50	06/17/21 09:30	
480-186201-6	D-59 (26.5)	Solid	06/16/21 13:05	06/17/21 09:30	
480-186201-7	D-59 (32-32.9)	Solid	06/16/21 15:00	06/17/21 09:30	
480-186201-8	D-44 (23.5)	Solid	06/16/21 15:25	06/17/21 09:30	
480-186201-9	D-44 (25.3)	Solid	06/16/21 16:00	06/17/21 09:30	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

480-186201 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Numb	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-47A(24.1-24.8)	6/16/21	1030	G	Solid			X			1	
D-47A (26.1-26.8)	6/16/21	1035	G	Solid			X			1	
D-47A (31.6-32)	6/16/21	1350	G	Solid			X			1	
D-47A (32.5)	6/16/21	1355	G	Solid			X			1	
D-59(21.7-22.5)	6/16/21	1250	G	Solid			X			1	
D-59 (21.7-22.5)(MS/MSD)	6/16/21	1250	G	Solid		Y	X			2	
D-59(26.5)	6/16/21	1305	G	Solid			X			1	
D-59 (32-32.9)	6/16/21	1500	G	Solid			X			1	
D-44 (23.5)	6/16/21	1525	G	Solid			X			1	
D-44 (25.3)	6/16/21	1600	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Ryan Clare	6/16/21 1830	Arcadis			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/16/21 930	Company DHL

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.4

Ver: 01/16/2019

6/28/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186201-1

Login Number: 186201

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186251-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/25/2021 11:26:05 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Glossary

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

Job ID: 480-186251-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186251-1

Comments
No additional comments.

Receipt
The samples were received on 6/18/2021 10:00 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 2.4º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-62 (32-32.2) (480-186251-6). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: D-44 (28-28.5) (480-186251-1), D-44 (29-29.5) (480-186251-2), D-44 (32.6-33) (480-186251-3), D-62 (25.4-25.8) (480-186251-4), D-62 (27.3-27.5) (480-186251-5), D-62 (31.5) (480-186251-7), D-46 (25.2-25.7) (480-186251-8), D-46 (29) (480-186251-9) and D-46 (31.5-32) (480-186251-10). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (28-28.5) — Lab Sample ID: 480-186251-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	200000		4600		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-44 (29-29.5) — Lab Sample ID: 480-186251-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	220000		5200		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-44 (32.6-33) — Lab Sample ID: 480-186251-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	8700		260		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-62 (25.4-25.8) — Lab Sample ID: 480-186251-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	22000		460		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-62 (27.3-27.5) — Lab Sample ID: 480-186251-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	410000		12000		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: D-62 (32-32.2) — Lab Sample ID: 480-186251-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	3000		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-62 (31.5) — Lab Sample ID: 480-186251-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	350000		11000		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: D-46 (25.2-25.7) — Lab Sample ID: 480-186251-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	75000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-46 (29) — Lab Sample ID: 480-186251-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	97000		2400		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-46 (31.5-32) — Lab Sample ID: 480-186251-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	82000		2500		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: EB-02-20210617 — Lab Sample ID: 480-186251-11

No Detections.

Client Sample ID: TRIP BLANK_20210617 — Lab Sample ID: 480-186251-12

No Detections.

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (28-28.5)
Date Collected: 06/17/21 10:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-1
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,1,2,2-Tetrachloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,1,2-Trichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,1-Dichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,1-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2,4-Trichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2-Dibromo-3-Chloropropane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2-Dibromoethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2-Dichloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,2-Dichloropropane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,3-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
1,4-Dichlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
2-Butanone (MEK)	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
2-Hexanone	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
4-Methyl-2-pentanone (MIBK)	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Acetone	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Benzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Bromodichloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Bromoform	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Bromomethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Carbon disulfide	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Carbon tetrachloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Chlorobenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Chloroethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Chloroform	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Chloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
cis-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
cis-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Cyclohexane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Dibromochloromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Dichlorodifluoromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Ethylbenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Isopropylbenzene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Methyl acetate	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Methyl tert-butyl ether	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Methylcyclohexane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Methylene Chloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Styrene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Tetrachloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Toluene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
trans-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
trans-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Trichloroethene	**200000**		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Trichlorofluoromethane	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Vinyl chloride	ND		4600		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40
Xylenes, Total	ND		9300		ug/Kg	☼	06/20/21 14:07	06/22/21 15:59	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (28-28.5)
Date Collected: 06/17/21 10:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-1
Matrix: Solid
Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/20/21 14:07	06/22/21 15:59	40
4-Bromofluorobenzene (Surr)	101		49 - 148	06/20/21 14:07	06/22/21 15:59	40
Dibromofluoromethane (Surr)	91		60 - 140	06/20/21 14:07	06/22/21 15:59	40
Toluene-d8 (Surr)	90		50 - 149	06/20/21 14:07	06/22/21 15:59	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (29-29.5)
Date Collected: 06/17/21 10:05
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-2
Matrix: Solid
Percent Solids: 82.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,1,2,2-Tetrachloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,1,2-Trichloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,1-Dichloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,1-Dichloroethene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2,4-Trichlorobenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2-Dibromo-3-Chloropropane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2-Dibromoethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2-Dichlorobenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2-Dichloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,2-Dichloropropane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,3-Dichlorobenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
1,4-Dichlorobenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
2-Butanone (MEK)	ND		26000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
2-Hexanone	ND		26000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
4-Methyl-2-pentanone (MIBK)	ND		26000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Acetone	ND		26000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Benzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Bromodichloromethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Bromoform	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Bromomethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Carbon disulfide	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Carbon tetrachloride	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Chlorobenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Chloroethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Chloroform	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Chloromethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
cis-1,2-Dichloroethene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
cis-1,3-Dichloropropene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Cyclohexane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Dibromochloromethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Dichlorodifluoromethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Ethylbenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Isopropylbenzene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Methyl acetate	ND		26000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Methyl tert-butyl ether	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Methylcyclohexane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Methylene Chloride	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Styrene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Tetrachloroethene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Toluene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
trans-1,2-Dichloroethene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
trans-1,3-Dichloropropene	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Trichloroethene	**220000**		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Trichlorofluoromethane	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Vinyl chloride	ND		5200		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40
Xylenes, Total	ND		10000		ug/Kg	☼	06/20/21 14:07	06/22/21 16:22	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (29-29.5)
Date Collected: 06/17/21 10:05
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-2
Matrix: Solid
Percent Solids: 82.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	06/20/21 14:07	06/22/21 16:22	40
4-Bromofluorobenzene (Surr)	100		49 - 148	06/20/21 14:07	06/22/21 16:22	40
Dibromofluoromethane (Surr)	94		60 - 140	06/20/21 14:07	06/22/21 16:22	40
Toluene-d8 (Surr)	91		50 - 149	06/20/21 14:07	06/22/21 16:22	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (32.6-33)
Date Collected: 06/17/21 11:30
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-3
Matrix: Solid
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,1,2,2-Tetrachloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,1,2-Trichloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,1-Dichloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,1-Dichloroethene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2,4-Trichlorobenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2-Dibromo-3-Chloropropane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2-Dibromoethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2-Dichlorobenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2-Dichloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,2-Dichloropropane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,3-Dichlorobenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
1,4-Dichlorobenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
2-Butanone (MEK)	ND		1300		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
2-Hexanone	ND		1300		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Acetone	ND		1300		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Benzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Bromodichloromethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Bromoform	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Bromomethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Carbon disulfide	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Carbon tetrachloride	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Chlorobenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Chloroethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Chloroform	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Chloromethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
cis-1,2-Dichloroethene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
cis-1,3-Dichloropropene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Cyclohexane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Dibromochloromethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Dichlorodifluoromethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Ethylbenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Isopropylbenzene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Methyl acetate	ND		1300		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Methyl tert-butyl ether	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Methylcyclohexane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Methylene Chloride	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Styrene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Tetrachloroethene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Toluene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
trans-1,2-Dichloroethene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
trans-1,3-Dichloropropene	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Trichloroethene	**8700**		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Trichlorofluoromethane	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Vinyl chloride	ND		260		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2
Xylenes, Total	ND		510		ug/Kg	☼	06/20/21 14:07	06/22/21 16:45	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-44 (32.6-33)
Date Collected: 06/17/21 11:30
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-3
Matrix: Solid
Percent Solids: 84.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		53 - 146	06/20/21 14:07	06/22/21 16:45	2
4-Bromofluorobenzene (Surr)	101		49 - 148	06/20/21 14:07	06/22/21 16:45	2
Dibromofluoromethane (Surr)	91		60 - 140	06/20/21 14:07	06/22/21 16:45	2
Toluene-d8 (Surr)	90		50 - 149	06/20/21 14:07	06/22/21 16:45	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (25.4-25.8)
Date Collected: 06/17/21 11:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-4
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
2-Hexanone	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Acetone	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Benzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Bromodichloromethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Bromoform	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Bromomethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Carbon disulfide	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Carbon tetrachloride	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Chlorobenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Chloroethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Chloroform	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Chloromethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
cis-1,2-Dichloroethene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Cyclohexane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Dibromochloromethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Ethylbenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Isopropylbenzene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Methyl acetate	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Methylcyclohexane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Methylene Chloride	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Styrene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Tetrachloroethene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Toluene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Trichloroethene	**22000**		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Vinyl chloride	ND		460		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4
Xylenes, Total	ND		930		ug/Kg	☼	06/20/21 14:07	06/22/21 17:08	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (25.4-25.8)
Date Collected: 06/17/21 11:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-4
Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/20/21 14:07	06/22/21 17:08	4
4-Bromofluorobenzene (Surr)	96		49 - 148	06/20/21 14:07	06/22/21 17:08	4
Dibromofluoromethane (Surr)	91		60 - 140	06/20/21 14:07	06/22/21 17:08	4
Toluene-d8 (Surr)	87		50 - 149	06/20/21 14:07	06/22/21 17:08	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (27.3-27.5)
Date Collected: 06/17/21 11:20
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-5
Matrix: Solid
Percent Solids: 76.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,1,2,2-Tetrachloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,1,2-Trichloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,1-Dichloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,1-Dichloroethene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2,4-Trichlorobenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2-Dibromo-3-Chloropropane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2-Dibromoethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2-Dichlorobenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2-Dichloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,2-Dichloropropane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,3-Dichlorobenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
1,4-Dichlorobenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
2-Butanone (MEK)	ND		58000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
2-Hexanone	ND		58000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
4-Methyl-2-pentanone (MIBK)	ND		58000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Acetone	ND		58000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Benzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Bromodichloromethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Bromoform	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Bromomethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Carbon disulfide	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Carbon tetrachloride	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Chlorobenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Chloroethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Chloroform	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Chloromethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
cis-1,2-Dichloroethene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
cis-1,3-Dichloropropene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Cyclohexane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Dibromochloromethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Dichlorodifluoromethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Ethylbenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Isopropylbenzene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Methyl acetate	ND		58000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Methyl tert-butyl ether	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Methylcyclohexane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Methylene Chloride	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Styrene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Tetrachloroethene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Toluene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
trans-1,2-Dichloroethene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
trans-1,3-Dichloropropene	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Trichloroethene	**410000**		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Trichlorofluoromethane	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Vinyl chloride	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80
Xylenes, Total	ND		23000		ug/Kg	☼	06/20/21 14:07	06/22/21 17:31	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (27.3-27.5)
Date Collected: 06/17/21 11:20
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-5
Matrix: Solid
Percent Solids: 76.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/20/21 14:07	06/22/21 17:31	80
4-Bromofluorobenzene (Surr)	100		49 - 148	06/20/21 14:07	06/22/21 17:31	80
Dibromofluoromethane (Surr)	90		60 - 140	06/20/21 14:07	06/22/21 17:31	80
Toluene-d8 (Surr)	91		50 - 149	06/20/21 14:07	06/22/21 17:31	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (32-32.2)
Date Collected: 06/17/21 13:15
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-6
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
2-Butanone (MEK)	ND		570		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
2-Hexanone	ND		570		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
4-Methyl-2-pentanone (MIBK)	ND		570		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Acetone	ND		570		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Benzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Bromodichloromethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Bromoform	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Bromomethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Carbon disulfide	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Carbon tetrachloride	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Chlorobenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Chloroethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Chloroform	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Chloromethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Cyclohexane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Dibromochloromethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Ethylbenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Isopropylbenzene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Methyl acetate	ND		570		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Methylcyclohexane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Methylene Chloride	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Styrene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Tetrachloroethene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Toluene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Trichloroethene	**3000**		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Vinyl chloride	ND		110		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1
Xylenes, Total	ND		230		ug/Kg	☼	06/20/21 14:07	06/22/21 17:54	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (32-32.2)
Date Collected: 06/17/21 13:15
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-6
Matrix: Solid
Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/20/21 14:07	06/22/21 17:54	1
4-Bromofluorobenzene (Surr)	98		49 - 148	06/20/21 14:07	06/22/21 17:54	1
Dibromofluoromethane (Surr)	90		60 - 140	06/20/21 14:07	06/22/21 17:54	1
Toluene-d8 (Surr)	92		50 - 149	06/20/21 14:07	06/22/21 17:54	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (31.5)
Date Collected: 06/17/21 11:30
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-7
Matrix: Solid
Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,1,2,2-Tetrachloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,1,2-Trichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,1-Dichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,1-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2,4-Trichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2-Dibromo-3-Chloropropane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2-Dibromoethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2-Dichloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,2-Dichloropropane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,3-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
1,4-Dichlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
2-Butanone (MEK)	ND		54000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
2-Hexanone	ND		54000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
4-Methyl-2-pentanone (MIBK)	ND		54000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Acetone	ND		54000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Benzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Bromodichloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Bromoform	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Bromomethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Carbon disulfide	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Carbon tetrachloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Chlorobenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Chloroethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Chloroform	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Chloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
cis-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
cis-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Cyclohexane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Dibromochloromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Dichlorodifluoromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Ethylbenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Isopropylbenzene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Methyl acetate	ND		54000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Methyl tert-butyl ether	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Methylcyclohexane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Methylene Chloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Styrene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Tetrachloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Toluene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
trans-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
trans-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Trichloroethene	**350000**		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Trichlorofluoromethane	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Vinyl chloride	ND		11000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80
Xylenes, Total	ND		22000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:18	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (31.5)
Date Collected: 06/17/21 11:30
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-7
Matrix: Solid
Percent Solids: 79.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/20/21 14:07	06/22/21 18:18	80
4-Bromofluorobenzene (Surr)	99		49 - 148	06/20/21 14:07	06/22/21 18:18	80
Dibromofluoromethane (Surr)	93		60 - 140	06/20/21 14:07	06/22/21 18:18	80
Toluene-d8 (Surr)	91		50 - 149	06/20/21 14:07	06/22/21 18:18	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (25.2-25.7)
Date Collected: 06/17/21 13:40
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-8
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
2-Butanone (MEK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
2-Hexanone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
4-Methyl-2-pentanone (MIBK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Acetone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Benzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Bromodichloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Bromoform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Bromomethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Carbon disulfide	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Chlorobenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Chloroethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Chloroform	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Chloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Cyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Dibromochloromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Ethylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Isopropylbenzene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Methyl acetate	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Methylcyclohexane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Methylene Chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Styrene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Tetrachloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Toluene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Trichloroethene	**75000**		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Vinyl chloride	ND		2300		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20
Xylenes, Total	ND		4700		ug/Kg	☼	06/20/21 14:07	06/22/21 18:41	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (25.2-25.7)
Date Collected: 06/17/21 13:40
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-8
Matrix: Solid
Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/20/21 14:07	06/22/21 18:41	20
4-Bromofluorobenzene (Surr)	96		49 - 148	06/20/21 14:07	06/22/21 18:41	20
Dibromofluoromethane (Surr)	92		60 - 140	06/20/21 14:07	06/22/21 18:41	20
Toluene-d8 (Surr)	89		50 - 149	06/20/21 14:07	06/22/21 18:41	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (29)
Date Collected: 06/17/21 14:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-9
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,1,2,2-Tetrachloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,1,2-Trichloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,1-Dichloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,1-Dichloroethene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2,4-Trichlorobenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2-Dibromo-3-Chloropropane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2-Dibromoethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2-Dichlorobenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2-Dichloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,2-Dichloropropane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,3-Dichlorobenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
1,4-Dichlorobenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
2-Butanone (MEK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
2-Hexanone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
4-Methyl-2-pentanone (MIBK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Acetone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Benzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Bromodichloromethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Bromoform	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Bromomethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Carbon disulfide	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Carbon tetrachloride	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Chlorobenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Chloroethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Chloroform	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Chloromethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
cis-1,2-Dichloroethene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
cis-1,3-Dichloropropene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Cyclohexane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Dibromochloromethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Dichlorodifluoromethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Ethylbenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Isopropylbenzene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Methyl acetate	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Methyl tert-butyl ether	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Methylcyclohexane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Methylene Chloride	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Styrene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Tetrachloroethene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Toluene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
trans-1,2-Dichloroethene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
trans-1,3-Dichloropropene	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Trichloroethene	**97000**		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Trichlorofluoromethane	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Vinyl chloride	ND		2400		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20
Xylenes, Total	ND		4800		ug/Kg	☼	06/20/21 14:07	06/22/21 19:04	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (29)
Date Collected: 06/17/21 14:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-9
Matrix: Solid
Percent Solids: 88.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/20/21 14:07	06/22/21 19:04	20
4-Bromofluorobenzene (Surr)	99		49 - 148	06/20/21 14:07	06/22/21 19:04	20
Dibromofluoromethane (Surr)	94		60 - 140	06/20/21 14:07	06/22/21 19:04	20
Toluene-d8 (Surr)	91		50 - 149	06/20/21 14:07	06/22/21 19:04	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (31.5-32)
Date Collected: 06/17/21 15:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-10
Matrix: Solid
Percent Solids: 85.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,1,2,2-Tetrachloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,1,2-Trichloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,1-Dichloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,1-Dichloroethene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2,4-Trichlorobenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2-Dibromo-3-Chloropropane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2-Dibromoethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2-Dichlorobenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2-Dichloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,2-Dichloropropane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,3-Dichlorobenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
1,4-Dichlorobenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
2-Butanone (MEK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
2-Hexanone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
4-Methyl-2-pentanone (MIBK)	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Acetone	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Benzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Bromodichloromethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Bromoform	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Bromomethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Carbon disulfide	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Carbon tetrachloride	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Chlorobenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Chloroethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Chloroform	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Chloromethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
cis-1,2-Dichloroethene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
cis-1,3-Dichloropropene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Cyclohexane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Dibromochloromethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Dichlorodifluoromethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Ethylbenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Isopropylbenzene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Methyl acetate	ND		12000		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Methyl tert-butyl ether	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Methylcyclohexane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Methylene Chloride	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Styrene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Tetrachloroethene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Toluene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
trans-1,2-Dichloroethene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
trans-1,3-Dichloropropene	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Trichloroethene	**82000**		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Trichlorofluoromethane	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Vinyl chloride	ND		2500		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20
Xylenes, Total	ND		4900		ug/Kg	☼	06/20/21 14:07	06/22/21 19:27	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (31.5-32)
Date Collected: 06/17/21 15:10
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-10
Matrix: Solid
Percent Solids: 85.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		53 - 146	06/20/21 14:07	06/22/21 19:27	20
4-Bromofluorobenzene (Surr)	99		49 - 148	06/20/21 14:07	06/22/21 19:27	20
Dibromofluoromethane (Surr)	90		60 - 140	06/20/21 14:07	06/22/21 19:27	20
Toluene-d8 (Surr)	91		50 - 149	06/20/21 14:07	06/22/21 19:27	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: EB-02-20210617
Date Collected: 06/17/21 16:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,1-Dichloroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,1-Dichloroethene	ND		1.0		ug/L			06/21/21 15:39	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/21/21 15:39	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/21/21 15:39	1
1,2-Dibromoethane	ND		1.0		ug/L			06/21/21 15:39	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:39	1
1,2-Dichloroethane	ND		1.0		ug/L			06/21/21 15:39	1
1,2-Dichloropropane	ND		1.0		ug/L			06/21/21 15:39	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:39	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/21/21 15:39	1
2-Butanone (MEK)	ND		10		ug/L			06/21/21 15:39	1
2-Hexanone	ND		5.0		ug/L			06/21/21 15:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/21/21 15:39	1
Acetone	ND		10		ug/L			06/21/21 15:39	1
Benzene	ND		1.0		ug/L			06/21/21 15:39	1
Bromodichloromethane	ND		1.0		ug/L			06/21/21 15:39	1
Bromoform	ND		1.0		ug/L			06/21/21 15:39	1
Bromomethane	ND		1.0		ug/L			06/21/21 15:39	1
Carbon disulfide	ND		1.0		ug/L			06/21/21 15:39	1
Carbon tetrachloride	ND		1.0		ug/L			06/21/21 15:39	1
Chlorobenzene	ND		1.0		ug/L			06/21/21 15:39	1
Chloroethane	ND		1.0		ug/L			06/21/21 15:39	1
Chloroform	ND		1.0		ug/L			06/21/21 15:39	1
Chloromethane	ND		1.0		ug/L			06/21/21 15:39	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 15:39	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 15:39	1
Cyclohexane	ND		1.0		ug/L			06/21/21 15:39	1
Dibromochloromethane	ND		1.0		ug/L			06/21/21 15:39	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/21/21 15:39	1
Ethylbenzene	ND		1.0		ug/L			06/21/21 15:39	1
Isopropylbenzene	ND		1.0		ug/L			06/21/21 15:39	1
Methyl acetate	ND		2.5		ug/L			06/21/21 15:39	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/21/21 15:39	1
Methylcyclohexane	ND		1.0		ug/L			06/21/21 15:39	1
Methylene Chloride	ND		1.0		ug/L			06/21/21 15:39	1
Styrene	ND		1.0		ug/L			06/21/21 15:39	1
Tetrachloroethene	ND		1.0		ug/L			06/21/21 15:39	1
Toluene	ND		1.0		ug/L			06/21/21 15:39	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 15:39	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 15:39	1
Trichloroethene	ND		1.0		ug/L			06/21/21 15:39	1
Trichlorofluoromethane	ND		1.0		ug/L			06/21/21 15:39	1
Vinyl chloride	ND		1.0		ug/L			06/21/21 15:39	1
Xylenes, Total	ND		2.0		ug/L			06/21/21 15:39	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: EB-02-20210617
Date Collected: 06/17/21 16:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/21/21 15:39	1
4-Bromofluorobenzene (Surr)	103		73 - 120		06/21/21 15:39	1
Dibromofluoromethane (Surr)	101		75 - 123		06/21/21 15:39	1
Toluene-d8 (Surr)	93		80 - 120		06/21/21 15:39	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: TRIP BLANK_20210617
Date Collected: 06/08/21 00:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-12
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,1-Dichloroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,1-Dichloroethene	ND		1.0		ug/L			06/21/21 16:02	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/21/21 16:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/21/21 16:02	1
1,2-Dibromoethane	ND		1.0		ug/L			06/21/21 16:02	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/21/21 16:02	1
1,2-Dichloroethane	ND		1.0		ug/L			06/21/21 16:02	1
1,2-Dichloropropane	ND		1.0		ug/L			06/21/21 16:02	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/21/21 16:02	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/21/21 16:02	1
2-Butanone (MEK)	ND		10		ug/L			06/21/21 16:02	1
2-Hexanone	ND		5.0		ug/L			06/21/21 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/21/21 16:02	1
Acetone	ND		10		ug/L			06/21/21 16:02	1
Benzene	ND		1.0		ug/L			06/21/21 16:02	1
Bromodichloromethane	ND		1.0		ug/L			06/21/21 16:02	1
Bromoform	ND		1.0		ug/L			06/21/21 16:02	1
Bromomethane	ND		1.0		ug/L			06/21/21 16:02	1
Carbon disulfide	ND		1.0		ug/L			06/21/21 16:02	1
Carbon tetrachloride	ND		1.0		ug/L			06/21/21 16:02	1
Chlorobenzene	ND		1.0		ug/L			06/21/21 16:02	1
Chloroethane	ND		1.0		ug/L			06/21/21 16:02	1
Chloroform	ND		1.0		ug/L			06/21/21 16:02	1
Chloromethane	ND		1.0		ug/L			06/21/21 16:02	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 16:02	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 16:02	1
Cyclohexane	ND		1.0		ug/L			06/21/21 16:02	1
Dibromochloromethane	ND		1.0		ug/L			06/21/21 16:02	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/21/21 16:02	1
Ethylbenzene	ND		1.0		ug/L			06/21/21 16:02	1
Isopropylbenzene	ND		1.0		ug/L			06/21/21 16:02	1
Methyl acetate	ND		2.5		ug/L			06/21/21 16:02	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/21/21 16:02	1
Methylcyclohexane	ND		1.0		ug/L			06/21/21 16:02	1
Methylene Chloride	ND		1.0		ug/L			06/21/21 16:02	1
Styrene	ND		1.0		ug/L			06/21/21 16:02	1
Tetrachloroethene	ND		1.0		ug/L			06/21/21 16:02	1
Toluene	ND		1.0		ug/L			06/21/21 16:02	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 16:02	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 16:02	1
Trichloroethene	ND		1.0		ug/L			06/21/21 16:02	1
Trichlorofluoromethane	ND		1.0		ug/L			06/21/21 16:02	1
Vinyl chloride	ND		1.0		ug/L			06/21/21 16:02	1
Xylenes, Total	ND		2.0		ug/L			06/21/21 16:02	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: TRIP BLANK_20210617
Date Collected: 06/08/21 00:00
Date Received: 06/18/21 10:00

Lab Sample ID: 480-186251-12
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		06/21/21 16:02	1
4-Bromofluorobenzene (Surr)	105		73 - 120		06/21/21 16:02	1
Dibromofluoromethane (Surr)	101		75 - 123		06/21/21 16:02	1
Toluene-d8 (Surr)	96		80 - 120		06/21/21 16:02	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186251-1	D-44 (28-28.5)	92	101	91	90
480-186251-2	D-44 (29-29.5)	89	100	94	91
480-186251-3	D-44 (32.6-33)	87	101	91	90
480-186251-4	D-62 (25.4-25.8)	94	96	91	87
480-186251-5	D-62 (27.3-27.5)	93	100	90	91
480-186251-6	D-62 (32-32.2)	93	98	90	92
480-186251-7	D-62 (31.5)	95	99	93	91
480-186251-8	D-46 (25.2-25.7)	92	96	92	89
480-186251-9	D-46 (29)	91	99	94	91
480-186251-10	D-46 (31.5-32)	89	99	90	91
LCS 480-586169/1-A	Lab Control Sample	90	105	93	95
MB 480-586169/2-A	Method Blank	91	99	92	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-186251-11	EB-02-20210617	97	103	101	93
480-186251-12	TRIP BLANK_20210617	97	105	101	96
LCS 480-586188/6	Lab Control Sample	94	100	97	91
MB 480-586188/8	Method Blank	90	106	95	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586169/2-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586169

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1-Dichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,1-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dibromoethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,2-Dichloropropane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
2-Butanone (MEK)	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
2-Hexanone	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Acetone	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Benzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromodichloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromoform	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Bromomethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Carbon disulfide	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Carbon tetrachloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chlorobenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloroethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloroform	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Chloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Cyclohexane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Dibromochloromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Ethylbenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Isopropylbenzene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methyl acetate	ND		500		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methylcyclohexane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Methylene Chloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Styrene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Tetrachloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Toluene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Trichloroethene	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Trichlorofluoromethane	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Vinyl chloride	ND		100		ug/Kg		06/20/21 14:07	06/22/21 10:59	1
Xylenes, Total	ND		200		ug/Kg		06/20/21 14:07	06/22/21 10:59	1

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

Lab Sample ID: MB 480-586169/2-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586169

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*06/20/21 14:07*	*06/22/21 10:59*	*1*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/20/21 14:07*	*06/22/21 10:59*	*1*

Lab Sample ID: LCS 480-586169/1-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2270		ug/Kg		91	68 - 130
1,1,2,2-Tetrachloroethane	2500	2320		ug/Kg		93	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2610		ug/Kg		105	10 - 179
1,1,2-Trichloroethane	2500	2400		ug/Kg		96	80 - 120
1,1-Dichloroethane	2500	2410		ug/Kg		96	78 - 121
1,1-Dichloroethene	2500	2630		ug/Kg		105	48 - 133
1,2,4-Trichlorobenzene	2500	2360		ug/Kg		95	70 - 140
1,2-Dibromo-3-Chloropropane	2500	1940		ug/Kg		78	56 - 122
1,2-Dibromoethane	2500	2370		ug/Kg		95	80 - 120
1,2-Dichlorobenzene	2500	2290		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2160		ug/Kg		86	74 - 127
1,2-Dichloropropane	2500	2280		ug/Kg		91	80 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2240		ug/Kg		90	80 - 120
2-Butanone (MEK)	12500	10900		ug/Kg		87	54 - 149
2-Hexanone	12500	10300		ug/Kg		82	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	10700		ug/Kg		86	74 - 120
Acetone	12500	11400		ug/Kg		91	47 - 141
Benzene	2500	2390		ug/Kg		96	77 - 125
Bromodichloromethane	2500	2370		ug/Kg		95	71 - 121
Bromoform	2500	2280		ug/Kg		91	48 - 125
Bromomethane	2500	2070		ug/Kg		83	39 - 149
Carbon disulfide	2500	2360		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2270		ug/Kg		91	54 - 135
Chlorobenzene	2500	2460		ug/Kg		99	76 - 126
Chloroethane	2500	2120		ug/Kg		85	23 - 150
Chloroform	2500	2250		ug/Kg		90	78 - 120
Chloromethane	2500	2470		ug/Kg		99	61 - 124
cis-1,2-Dichloroethene	2500	2400		ug/Kg		96	79 - 124
cis-1,3-Dichloropropene	2500	2500		ug/Kg		100	75 - 121
Cyclohexane	2500	2510		ug/Kg		100	49 - 129
Dibromochloromethane	2500	2320		ug/Kg		93	64 - 120
Dichlorodifluoromethane	2500	2280		ug/Kg		91	10 - 150
Ethylbenzene	2500	2530		ug/Kg		101	78 - 124
Isopropylbenzene	2500	2650		ug/Kg		106	76 - 120
Methyl acetate	5000	4310		ug/Kg		86	71 - 123
Methyl tert-butyl ether	2500	2390		ug/Kg		96	67 - 137
Methylcyclohexane	2500	2580		ug/Kg		103	50 - 130

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

Lab Sample ID: LCS 480-586169/1-A
Matrix: Solid
Analysis Batch: 586349

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586169

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2620		ug/Kg		105	75 - 118
Styrene	2500	2490		ug/Kg		100	80 - 120
Tetrachloroethene	2500	2290		ug/Kg		92	73 - 133
Toluene	2500	2540		ug/Kg		102	75 - 124
trans-1,2-Dichloroethene	2500	2380		ug/Kg		95	74 - 129
trans-1,3-Dichloropropene	2500	2510		ug/Kg		101	73 - 120
Trichloroethene	2500	2400		ug/Kg		96	75 - 131
Trichlorofluoromethane	2500	2300		ug/Kg		92	29 - 158
Vinyl chloride	2500	2770		ug/Kg		111	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: MB 480-586188/8
Matrix: Water
Analysis Batch: 586188

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,1-Dichloroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,1-Dichloroethene	ND		1.0		ug/L			06/21/21 11:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/21/21 11:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/21/21 11:18	1
1,2-Dibromoethane	ND		1.0		ug/L			06/21/21 11:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/21/21 11:18	1
1,2-Dichloroethane	ND		1.0		ug/L			06/21/21 11:18	1
1,2-Dichloropropane	ND		1.0		ug/L			06/21/21 11:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/21/21 11:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/21/21 11:18	1
2-Butanone (MEK)	ND		10		ug/L			06/21/21 11:18	1
2-Hexanone	ND		5.0		ug/L			06/21/21 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/21/21 11:18	1
Acetone	ND		10		ug/L			06/21/21 11:18	1
Benzene	ND		1.0		ug/L			06/21/21 11:18	1
Bromodichloromethane	ND		1.0		ug/L			06/21/21 11:18	1
Bromoform	ND		1.0		ug/L			06/21/21 11:18	1
Bromomethane	ND		1.0		ug/L			06/21/21 11:18	1
Carbon disulfide	ND		1.0		ug/L			06/21/21 11:18	1
Carbon tetrachloride	ND		1.0		ug/L			06/21/21 11:18	1
Chlorobenzene	ND		1.0		ug/L			06/21/21 11:18	1
Chloroethane	ND		1.0		ug/L			06/21/21 11:18	1
Chloroform	ND		1.0		ug/L			06/21/21 11:18	1

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

Lab Sample ID: MB 480-586188/8
Matrix: Water
Analysis Batch: 586188

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0		ug/L			06/21/21 11:18	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 11:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 11:18	1
Cyclohexane	ND		1.0		ug/L			06/21/21 11:18	1
Dibromochloromethane	ND		1.0		ug/L			06/21/21 11:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/21/21 11:18	1
Ethylbenzene	ND		1.0		ug/L			06/21/21 11:18	1
Isopropylbenzene	ND		1.0		ug/L			06/21/21 11:18	1
Methyl acetate	ND		2.5		ug/L			06/21/21 11:18	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/21/21 11:18	1
Methylcyclohexane	ND		1.0		ug/L			06/21/21 11:18	1
Methylene Chloride	ND		1.0		ug/L			06/21/21 11:18	1
Styrene	ND		1.0		ug/L			06/21/21 11:18	1
Tetrachloroethene	ND		1.0		ug/L			06/21/21 11:18	1
Toluene	ND		1.0		ug/L			06/21/21 11:18	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/21/21 11:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/21/21 11:18	1
Trichloroethene	ND		1.0		ug/L			06/21/21 11:18	1
Trichlorofluoromethane	ND		1.0		ug/L			06/21/21 11:18	1
Vinyl chloride	ND		1.0		ug/L			06/21/21 11:18	1
Xylenes, Total	ND		2.0		ug/L			06/21/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*06/21/21 11:18*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*06/21/21 11:18*	*1*
Dibromofluoromethane (Surr)	*95*		*75 - 123*		*06/21/21 11:18*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*06/21/21 11:18*	*1*

Lab Sample ID: LCS 480-586188/6
Matrix: Water
Analysis Batch: 586188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.9		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.4		ug/L		90	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	21.8		ug/L		87	61 - 148
1,1,2-Trichloroethane	25.0	22.1		ug/L		88	76 - 122
1,1-Dichloroethane	25.0	22.7		ug/L		91	77 - 120
1,1-Dichloroethene	25.0	22.8		ug/L		91	66 - 127
1,2,4-Trichlorobenzene	25.0	21.8		ug/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.5		ug/L		82	56 - 134
1,2-Dibromoethane	25.0	22.4		ug/L		90	77 - 120
1,2-Dichlorobenzene	25.0	20.7		ug/L		83	80 - 124
1,2-Dichloroethane	25.0	22.0		ug/L		88	75 - 120
1,2-Dichloropropane	25.0	23.3		ug/L		93	76 - 120
1,3-Dichlorobenzene	25.0	21.5		ug/L		86	77 - 120
1,4-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
2-Butanone (MEK)	125	129		ug/L		103	57 - 140

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

Lab Sample ID: LCS 480-586188/6
Matrix: Water
Analysis Batch: 586188

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Hexanone	125	123		ug/L		98	65 - 127
4-Methyl-2-pentanone (MIBK)	125	116		ug/L		93	71 - 125
Acetone	125	147		ug/L		117	56 - 142
Benzene	25.0	22.8		ug/L		91	71 - 124
Bromodichloromethane	25.0	22.5		ug/L		90	80 - 122
Bromoform	25.0	24.9		ug/L		100	61 - 132
Bromomethane	25.0	21.4		ug/L		85	55 - 144
Carbon disulfide	25.0	21.3		ug/L		85	59 - 134
Carbon tetrachloride	25.0	23.8		ug/L		95	72 - 134
Chlorobenzene	25.0	21.6		ug/L		86	80 - 120
Chloroethane	25.0	19.8		ug/L		79	69 - 136
Chloroform	25.0	21.6		ug/L		87	73 - 127
Chloromethane	25.0	21.2		ug/L		85	68 - 124
cis-1,2-Dichloroethene	25.0	23.3		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	21.8		ug/L		87	59 - 135
Dibromochloromethane	25.0	22.5		ug/L		90	75 - 125
Dichlorodifluoromethane	25.0	18.3		ug/L		73	59 - 135
Ethylbenzene	25.0	21.6		ug/L		87	77 - 123
Isopropylbenzene	25.0	22.2		ug/L		89	77 - 122
Methyl acetate	50.0	49.4		ug/L		99	74 - 133
Methyl tert-butyl ether	25.0	23.8		ug/L		95	77 - 120
Methylcyclohexane	25.0	22.5		ug/L		90	68 - 134
Methylene Chloride	25.0	21.9		ug/L		87	75 - 124
Styrene	25.0	22.3		ug/L		89	80 - 120
Tetrachloroethene	25.0	22.8		ug/L		91	74 - 122
Toluene	25.0	21.4		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	21.3		ug/L		85	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	22.8		ug/L		91	74 - 123
Trichlorofluoromethane	25.0	21.6		ug/L		86	62 - 150
Vinyl chloride	25.0	20.7		ug/L		83	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*
Toluene-d8 (Surr)	*91*		*80 - 120*

GC/MS VOA

Prep Batch: 586169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186251-1	D-44 (28-28.5)	Total/NA	Solid	5035A_H	
480-186251-2	D-44 (29-29.5)	Total/NA	Solid	5035A_H	
480-186251-3	D-44 (32.6-33)	Total/NA	Solid	5035A_H	
480-186251-4	D-62 (25.4-25.8)	Total/NA	Solid	5035A_H	
480-186251-5	D-62 (27.3-27.5)	Total/NA	Solid	5035A_H	
480-186251-6	D-62 (32-32.2)	Total/NA	Solid	5035A_H	
480-186251-7	D-62 (31.5)	Total/NA	Solid	5035A_H	
480-186251-8	D-46 (25.2-25.7)	Total/NA	Solid	5035A_H	
480-186251-9	D-46 (29)	Total/NA	Solid	5035A_H	
480-186251-10	D-46 (31.5-32)	Total/NA	Solid	5035A_H	
MB 480-586169/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586169/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 586188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186251-11	EB-02-20210617	Total/NA	Water	8260C	
480-186251-12	TRIP BLANK_20210617	Total/NA	Water	8260C	
MB 480-586188/8	Method Blank	Total/NA	Water	8260C	
LCS 480-586188/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 586349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186251-1	D-44 (28-28.5)	Total/NA	Solid	8260C	586169
480-186251-2	D-44 (29-29.5)	Total/NA	Solid	8260C	586169
480-186251-3	D-44 (32.6-33)	Total/NA	Solid	8260C	586169
480-186251-4	D-62 (25.4-25.8)	Total/NA	Solid	8260C	586169
480-186251-5	D-62 (27.3-27.5)	Total/NA	Solid	8260C	586169
480-186251-6	D-62 (32-32.2)	Total/NA	Solid	8260C	586169
480-186251-7	D-62 (31.5)	Total/NA	Solid	8260C	586169
480-186251-8	D-46 (25.2-25.7)	Total/NA	Solid	8260C	586169
480-186251-9	D-46 (29)	Total/NA	Solid	8260C	586169
480-186251-10	D-46 (31.5-32)	Total/NA	Solid	8260C	586169
MB 480-586169/2-A	Method Blank	Total/NA	Solid	8260C	586169
LCS 480-586169/1-A	Lab Control Sample	Total/NA	Solid	8260C	586169

General Chemistry

Analysis Batch: 586121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186251-1	D-44 (28-28.5)	Total/NA	Solid	Moisture	
480-186251-2	D-44 (29-29.5)	Total/NA	Solid	Moisture	
480-186251-3	D-44 (32.6-33)	Total/NA	Solid	Moisture	
480-186251-4	D-62 (25.4-25.8)	Total/NA	Solid	Moisture	
480-186251-5	D-62 (27.3-27.5)	Total/NA	Solid	Moisture	
480-186251-6	D-62 (32-32.2)	Total/NA	Solid	Moisture	
480-186251-7	D-62 (31.5)	Total/NA	Solid	Moisture	
480-186251-8	D-46 (25.2-25.7)	Total/NA	Solid	Moisture	
480-186251-9	D-46 (29)	Total/NA	Solid	Moisture	
480-186251-10	D-46 (31.5-32)	Total/NA	Solid	Moisture	

Client Sample ID: D-44 (28-28.5) — **Lab Sample ID: 480-186251-1**
Date Collected: 06/17/21 10:00 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-44 (28-28.5) — **Lab Sample ID: 480-186251-1**
Date Collected: 06/17/21 10:00 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		40	586349	06/22/21 15:59	CRL	TAL BUF

Client Sample ID: D-44 (29-29.5) — **Lab Sample ID: 480-186251-2**
Date Collected: 06/17/21 10:05 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-44 (29-29.5) — **Lab Sample ID: 480-186251-2**
Date Collected: 06/17/21 10:05 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 82.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		40	586349	06/22/21 16:22	CRL	TAL BUF

Client Sample ID: D-44 (32.6-33) — **Lab Sample ID: 480-186251-3**
Date Collected: 06/17/21 11:30 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-44 (32.6-33) — **Lab Sample ID: 480-186251-3**
Date Collected: 06/17/21 11:30 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 84.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		2	586349	06/22/21 16:45	CRL	TAL BUF

Client Sample ID: D-62 (25.4-25.8) — **Lab Sample ID: 480-186251-4**
Date Collected: 06/17/21 11:10 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-62 (25.4-25.8)

Lab Sample ID: 480-186251-4
Date Collected: 06/17/21 11:10
Matrix: Solid
Date Received: 06/18/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		4	586349	06/22/21 17:08	CRL	TAL BUF

Client Sample ID: D-62 (27.3-27.5)

Lab Sample ID: 480-186251-5
Date Collected: 06/17/21 11:20
Matrix: Solid
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-62 (27.3-27.5)

Lab Sample ID: 480-186251-5
Date Collected: 06/17/21 11:20
Matrix: Solid
Date Received: 06/18/21 10:00
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		80	586349	06/22/21 17:31	CRL	TAL BUF

Client Sample ID: D-62 (32-32.2)

Lab Sample ID: 480-186251-6
Date Collected: 06/17/21 13:15
Matrix: Solid
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-62 (32-32.2)

Lab Sample ID: 480-186251-6
Date Collected: 06/17/21 13:15
Matrix: Solid
Date Received: 06/18/21 10:00
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		1	586349	06/22/21 17:54	CRL	TAL BUF

Client Sample ID: D-62 (31.5)

Lab Sample ID: 480-186251-7
Date Collected: 06/17/21 11:30
Matrix: Solid
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-62 (31.5) — **Lab Sample ID: 480-186251-7**
Date Collected: 06/17/21 11:30 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 79.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		80	586349	06/22/21 18:18	CRL	TAL BUF

Client Sample ID: D-46 (25.2-25.7) — **Lab Sample ID: 480-186251-8**
Date Collected: 06/17/21 13:40 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-46 (25.2-25.7) — **Lab Sample ID: 480-186251-8**
Date Collected: 06/17/21 13:40 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 88.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586349	06/22/21 18:41	CRL	TAL BUF

Client Sample ID: D-46 (29) — **Lab Sample ID: 480-186251-9**
Date Collected: 06/17/21 14:10 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Client Sample ID: D-46 (29) — **Lab Sample ID: 480-186251-9**
Date Collected: 06/17/21 14:10 — **Matrix: Solid**
Date Received: 06/18/21 10:00 — **Percent Solids: 88.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586349	06/22/21 19:04	CRL	TAL BUF

Client Sample ID: D-46 (31.5-32) — **Lab Sample ID: 480-186251-10**
Date Collected: 06/17/21 15:10 — **Matrix: Solid**
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586121	06/18/21 20:17	CLA	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Client Sample ID: D-46 (31.5-32)

Lab Sample ID: 480-186251-10

Date Collected: 06/17/21 15:10
Matrix: Solid
Date Received: 06/18/21 10:00
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586169	06/20/21 14:07	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586349	06/22/21 19:27	CRL	TAL BUF

Client Sample ID: EB-02-20210617

Lab Sample ID: 480-186251-11

Date Collected: 06/17/21 16:00
Matrix: Water
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	586188	06/21/21 15:39	CRL	TAL BUF

Client Sample ID: TRIP BLANK_20210617

Lab Sample ID: 480-186251-12

Date Collected: 06/08/21 00:00
Matrix: Water
Date Received: 06/18/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	586188	06/21/21 16:02	CRL	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186251-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186251-1	D-44 (28-28.5)	Solid	06/17/21 10:00	06/18/21 10:00	
480-186251-2	D-44 (29-29.5)	Solid	06/17/21 10:05	06/18/21 10:00	
480-186251-3	D-44 (32.6-33)	Solid	06/17/21 11:30	06/18/21 10:00	
480-186251-4	D-62 (25.4-25.8)	Solid	06/17/21 11:10	06/18/21 10:00	
480-186251-5	D-62 (27.3-27.5)	Solid	06/17/21 11:20	06/18/21 10:00	
480-186251-6	D-62 (32-32.2)	Solid	06/17/21 13:15	06/18/21 10:00	
480-186251-7	D-62 (31.5)	Solid	06/17/21 11:30	06/18/21 10:00	
480-186251-8	D-46 (25.2-25.7)	Solid	06/17/21 13:40	06/18/21 10:00	
480-186251-9	D-46 (29)	Solid	06/17/21 14:10	06/18/21 10:00	
480-186251-10	D-46 (31.5-32)	Solid	06/17/21 15:10	06/18/21 10:00	
480-186251-11	EB-02-20210617	Water	06/17/21 16:00	06/18/21 10:00	
480-186251-12	TRIP BLANK_20210617	Water	06/08/21 00:00	06/18/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

480-186251 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of contain	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-44 (28-28.5)	6/17/21	1000	G	Solid			X			1	
D-44 (29-29.5)	6/17/21	1005	G	Solid			X			1	
D-44 (32.6-33)	6/17/21	1130	G	Solid			X			1	
D-62 (25.4-25.8)	6/17/21	1110	G	Solid			X			1	
D-62 (27.3-27.5)	6/17/21	1120	G	Solid			X			1	
D-62 (32-32.2)	6/17/21	1315	G	Solid			X			1	
D-62 (31.5)	6/17/21	1130	G	Solid			X			1	
D-46 (25.2-25.7)	6/17/21	1340	G	Solid			X			1	
D-46 (29)	6/17/21	1410	G	Solid			X			1	
D-46 (31.5-32)	6/17/21	1510	G	Solid			X			1	
EB-02-20210617	6/17/21	1600	G	Water					X	3	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Ryan Clare	6/17/21 1800			6/18/21 1000	TAS
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.4

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
TRIP BLANK_20210617	6/8/21	—	G	Solid					X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by: Ryan Clare	6/17/21 1800	Arcadis		6/18/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186251-1

Login Number: 186251

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	2.4 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186304-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/29/2021 12:09:12 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

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

Job ID: 480-186304-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186304-1

Comments
No additional comments.

Receipt
The samples were received on 6/19/2021 10:00 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 3.1° C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-45 (20.7-20.9) (480-186304-1), D-45 (21.5-22) (480-186304-2), D-45 (26) (480-186304-3), D-45 (24-24.9) (480-186304-4), D-45 (24-24.9) MS (480-186304-4[MS]), D-45 (24-24.9) MSD (480-186304-4[MSD]) and D-72 (27-1) (480-186304-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-72 (28.3-28.6) (480-186304-6), D-72 (29.2-29.6) (480-186304-7), D-72 (26.5-26.8) (480-186304-8), D-73 (26.5) (480-186304-9), DUP-02-20210618 (480-186304-10), D-73 (29.9-30.3) (480-186304-11), D-73 (32-32.3) (480-186304-12), D-45 (29-1-29.3) (480-186304-13) and D-45 (32-32.7) (480-186304-14). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-586541 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane, Carbon tetrachloride and Methylcyclohexane. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: D-72 (28.3-28.6) (480-186304-6), D-72 (29.2-29.6) (480-186304-7), D-72 (26.5-26.8) (480-186304-8), D-73 (26.5) (480-186304-9), DUP-02-20210618 (480-186304-10), D-73 (29.9-30.3) (480-186304-11), D-73 (32-32.3) (480-186304-12), D-45 (29-1-29.3) (480-186304-13) and D-45 (32-32.7) (480-186304-14).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (20.7-20.9) — Lab Sample ID: 480-186304-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	600000		11000		ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: D-45 (21.5-22) — Lab Sample ID: 480-186304-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	120000		4500		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-45 (26) — Lab Sample ID: 480-186304-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	56000		2200		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-45 (24-24.9) — Lab Sample ID: 480-186304-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	29000		960		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-72 (27-1) — Lab Sample ID: 480-186304-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	320000		9800		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: D-72 (28.3-28.6) — Lab Sample ID: 480-186304-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	610000		11000		ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: D-72 (29.2-29.6) — Lab Sample ID: 480-186304-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	200000		5100		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-72 (26.5-26.8) — Lab Sample ID: 480-186304-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	87000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-73 (26.5) — Lab Sample ID: 480-186304-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	140000		3000		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: DUP-02-20210618 — Lab Sample ID: 480-186304-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-73 (29.9-30.3) — Lab Sample ID: 480-186304-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	74000		1200		ug/Kg	10	☼	8260C	Total/NA

Client Sample ID: D-73 (32-32.3) — Lab Sample ID: 480-186304-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	140000		2700		ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (29-1-29.3) — Lab Sample ID: 480-186304-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		3100		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-45 (32-32.7) — Lab Sample ID: 480-186304-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	25000		460		ug/Kg	4	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (20.7-20.9)
Date Collected: 06/18/21 08:40
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-1
Matrix: Solid
Percent Solids: 91.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,1,2,2-Tetrachloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,1,2-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,1-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,1-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2,4-Trichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2-Dibromo-3-Chloropropane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2-Dibromoethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,2-Dichloropropane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,3-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
1,4-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
2-Butanone (MEK)	ND		56000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
2-Hexanone	ND		56000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
4-Methyl-2-pentanone (MIBK)	ND		56000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Acetone	ND		56000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Benzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Bromodichloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Bromoform	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Bromomethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Carbon disulfide	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Carbon tetrachloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Chlorobenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Chloroethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Chloroform	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Chloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
cis-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
cis-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Cyclohexane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Dibromochloromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Dichlorodifluoromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Ethylbenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Isopropylbenzene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Methyl acetate	ND		56000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Methyl tert-butyl ether	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Methylcyclohexane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Methylene Chloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Styrene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Tetrachloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Toluene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
trans-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
trans-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Trichloroethene	**600000**		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Trichlorofluoromethane	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Vinyl chloride	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100
Xylenes, Total	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:23	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (20.7-20.9)
Date Collected: 06/18/21 08:40
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-1
Matrix: Solid
Percent Solids: 91.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/21/21 22:40	06/23/21 18:23	100
4-Bromofluorobenzene (Surr)	97		49 - 148	06/21/21 22:40	06/23/21 18:23	100
Dibromofluoromethane (Surr)	93		60 - 140	06/21/21 22:40	06/23/21 18:23	100
Toluene-d8 (Surr)	88		50 - 149	06/21/21 22:40	06/23/21 18:23	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (21.5-22)
Date Collected: 06/18/21 08:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-2
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,1,2,2-Tetrachloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,1,2-Trichloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,1-Dichloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,1-Dichloroethene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2,4-Trichlorobenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2-Dibromo-3-Chloropropane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2-Dibromoethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2-Dichlorobenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2-Dichloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,2-Dichloropropane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,3-Dichlorobenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
1,4-Dichlorobenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
2-Butanone (MEK)	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
2-Hexanone	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
4-Methyl-2-pentanone (MIBK)	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Acetone	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Benzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Bromodichloromethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Bromoform	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Bromomethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Carbon disulfide	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Carbon tetrachloride	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Chlorobenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Chloroethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Chloroform	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Chloromethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
cis-1,2-Dichloroethene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
cis-1,3-Dichloropropene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Cyclohexane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Dibromochloromethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Dichlorodifluoromethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Ethylbenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Isopropylbenzene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Methyl acetate	ND		22000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Methyl tert-butyl ether	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Methylcyclohexane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Methylene Chloride	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Styrene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Tetrachloroethene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Toluene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
trans-1,2-Dichloroethene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
trans-1,3-Dichloropropene	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Trichloroethene	**120000**		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Trichlorofluoromethane	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Vinyl chloride	ND		4500		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40
Xylenes, Total	ND		9000		ug/Kg	☼	06/21/21 22:40	06/23/21 18:46	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (21.5-22)
Date Collected: 06/18/21 08:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-2
Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	06/21/21 22:40	06/23/21 18:46	40
4-Bromofluorobenzene (Surr)	101		49 - 148	06/21/21 22:40	06/23/21 18:46	40
Dibromofluoromethane (Surr)	98		60 - 140	06/21/21 22:40	06/23/21 18:46	40
Toluene-d8 (Surr)	92		50 - 149	06/21/21 22:40	06/23/21 18:46	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (26)
Date Collected: 06/18/21 09:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-3
Matrix: Solid
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,1,2,2-Tetrachloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,1,2-Trichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,1-Dichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,1-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2,4-Trichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2-Dibromo-3-Chloropropane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2-Dibromoethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2-Dichloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,2-Dichloropropane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,3-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
1,4-Dichlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
2-Hexanone	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Acetone	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Benzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Bromodichloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Bromoform	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Bromomethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Carbon disulfide	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Carbon tetrachloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Chlorobenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Chloroethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Chloroform	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Chloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
cis-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
cis-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Cyclohexane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Dibromochloromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Dichlorodifluoromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Ethylbenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Isopropylbenzene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Methyl acetate	ND		11000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Methyl tert-butyl ether	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Methylcyclohexane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Methylene Chloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Styrene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Tetrachloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Toluene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
trans-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
trans-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Trichloroethene	**56000**		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Trichlorofluoromethane	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Vinyl chloride	ND		2200		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20
Xylenes, Total	ND		4300		ug/Kg	☼	06/21/21 22:40	06/23/21 19:09	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (26)
Date Collected: 06/18/21 09:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-3
Matrix: Solid
Percent Solids: 92.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	06/21/21 22:40	06/23/21 19:09	20
4-Bromofluorobenzene (Surr)	98		49 - 148	06/21/21 22:40	06/23/21 19:09	20
Dibromofluoromethane (Surr)	99		60 - 140	06/21/21 22:40	06/23/21 19:09	20
Toluene-d8 (Surr)	91		50 - 149	06/21/21 22:40	06/23/21 19:09	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (24-24.9)
Date Collected: 06/18/21 10:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-4
Matrix: Solid
Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,1,2,2-Tetrachloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,1,2-Trichloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,1-Dichloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,1-Dichloroethene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2,4-Trichlorobenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2-Dibromo-3-Chloropropane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2-Dibromoethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2-Dichlorobenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2-Dichloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,2-Dichloropropane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,3-Dichlorobenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
1,4-Dichlorobenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
2-Butanone (MEK)	ND		4800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
2-Hexanone	ND		4800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
4-Methyl-2-pentanone (MIBK)	ND		4800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Acetone	ND		4800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Benzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Bromodichloromethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Bromoform	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Bromomethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Carbon disulfide	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Carbon tetrachloride	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Chlorobenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Chloroethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Chloroform	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Chloromethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
cis-1,2-Dichloroethene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
cis-1,3-Dichloropropene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Cyclohexane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Dibromochloromethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Dichlorodifluoromethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Ethylbenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Isopropylbenzene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Methyl acetate	ND		4800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Methyl tert-butyl ether	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Methylcyclohexane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Methylene Chloride	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Styrene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Tetrachloroethene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Toluene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
trans-1,2-Dichloroethene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
trans-1,3-Dichloropropene	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Trichloroethene	**29000**		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Trichlorofluoromethane	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Vinyl chloride	ND		960		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8
Xylenes, Total	ND		1900		ug/Kg	☼	06/21/21 22:40	06/23/21 19:32	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (24-24.9)
Date Collected: 06/18/21 10:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-4
Matrix: Solid
Percent Solids: 86.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/21/21 22:40	06/23/21 19:32	8
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 22:40	06/23/21 19:32	8
Dibromofluoromethane (Surr)	98		60 - 140	06/21/21 22:40	06/23/21 19:32	8
Toluene-d8 (Surr)	91		50 - 149	06/21/21 22:40	06/23/21 19:32	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (27-1)
Date Collected: 06/18/21 11:40
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-5
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,1,2,2-Tetrachloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,1,2-Trichloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,1-Dichloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,1-Dichloroethene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2,4-Trichlorobenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2-Dibromo-3-Chloropropane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2-Dibromoethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2-Dichlorobenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2-Dichloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,2-Dichloropropane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,3-Dichlorobenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
1,4-Dichlorobenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
2-Butanone (MEK)	ND		49000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
2-Hexanone	ND		49000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
4-Methyl-2-pentanone (MIBK)	ND		49000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Acetone	ND		49000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Benzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Bromodichloromethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Bromoform	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Bromomethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Carbon disulfide	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Carbon tetrachloride	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Chlorobenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Chloroethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Chloroform	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Chloromethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
cis-1,2-Dichloroethene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
cis-1,3-Dichloropropene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Cyclohexane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Dibromochloromethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Dichlorodifluoromethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Ethylbenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Isopropylbenzene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Methyl acetate	ND		49000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Methyl tert-butyl ether	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Methylcyclohexane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Methylene Chloride	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Styrene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Tetrachloroethene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Toluene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
trans-1,2-Dichloroethene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
trans-1,3-Dichloropropene	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Trichloroethene	**320000**		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Trichlorofluoromethane	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Vinyl chloride	ND		9800		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80
Xylenes, Total	ND		20000		ug/Kg	☼	06/21/21 22:40	06/23/21 19:55	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (27-1)
Date Collected: 06/18/21 11:40
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-5
Matrix: Solid
Percent Solids: 86.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/21/21 22:40	06/23/21 19:55	80
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 22:40	06/23/21 19:55	80
Dibromofluoromethane (Surr)	91		60 - 140	06/21/21 22:40	06/23/21 19:55	80
Toluene-d8 (Surr)	92		50 - 149	06/21/21 22:40	06/23/21 19:55	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (28.3-28.6)
Date Collected: 06/18/21 12:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-6
Matrix: Solid
Percent Solids: 89.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,1,2,2-Tetrachloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,1,2-Trichloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,1-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,1-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2,4-Trichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2-Dibromo-3-Chloropropane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2-Dibromoethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2-Dichloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,2-Dichloropropane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,3-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
1,4-Dichlorobenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
2-Butanone (MEK)	ND		57000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
2-Hexanone	ND		57000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
4-Methyl-2-pentanone (MIBK)	ND		57000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Acetone	ND		57000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Benzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Bromodichloromethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Bromoform	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Bromomethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Carbon disulfide	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Carbon tetrachloride	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Chlorobenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Chloroethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Chloroform	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Chloromethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
cis-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
cis-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Cyclohexane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Dibromochloromethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Dichlorodifluoromethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Ethylbenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Isopropylbenzene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Methyl acetate	ND		57000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Methyl tert-butyl ether	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Methylcyclohexane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Methylene Chloride	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Styrene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Tetrachloroethene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Toluene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
trans-1,2-Dichloroethene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
trans-1,3-Dichloropropene	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Trichloroethene	**610000**		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Trichlorofluoromethane	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Vinyl chloride	ND		11000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100
Xylenes, Total	ND		23000		ug/Kg	☼	06/21/21 23:15	06/23/21 12:42	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (28.3-28.6)
Date Collected: 06/18/21 12:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-6
Matrix: Solid
Percent Solids: 89.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	06/21/21 23:15	06/23/21 12:42	100
4-Bromofluorobenzene (Surr)	100		49 - 148	06/21/21 23:15	06/23/21 12:42	100
Dibromofluoromethane (Surr)	106		60 - 140	06/21/21 23:15	06/23/21 12:42	100
Toluene-d8 (Surr)	91		50 - 149	06/21/21 23:15	06/23/21 12:42	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (29.2-29.6)
Date Collected: 06/18/21 12:10
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-7
Matrix: Solid
Percent Solids: 82.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,1,2,2-Tetrachloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,1,2-Trichloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,1-Dichloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,1-Dichloroethene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2,4-Trichlorobenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2-Dibromo-3-Chloropropane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2-Dibromoethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2-Dichlorobenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2-Dichloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,2-Dichloropropane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,3-Dichlorobenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
1,4-Dichlorobenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
2-Butanone (MEK)	ND		26000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
2-Hexanone	ND		26000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
4-Methyl-2-pentanone (MIBK)	ND		26000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Acetone	ND		26000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Benzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Bromodichloromethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Bromoform	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Bromomethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Carbon disulfide	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Carbon tetrachloride	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Chlorobenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Chloroethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Chloroform	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Chloromethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
cis-1,2-Dichloroethene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
cis-1,3-Dichloropropene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Cyclohexane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Dibromochloromethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Dichlorodifluoromethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Ethylbenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Isopropylbenzene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Methyl acetate	ND		26000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Methyl tert-butyl ether	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Methylcyclohexane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Methylene Chloride	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Styrene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Tetrachloroethene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Toluene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
trans-1,2-Dichloroethene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
trans-1,3-Dichloropropene	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Trichloroethene	**200000**		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Trichlorofluoromethane	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Vinyl chloride	ND		5100		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40
Xylenes, Total	ND		10000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:05	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (29.2-29.6)
Date Collected: 06/18/21 12:10
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-7
Matrix: Solid
Percent Solids: 82.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	06/21/21 23:15	06/23/21 13:05	40
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 23:15	06/23/21 13:05	40
Dibromofluoromethane (Surr)	103		60 - 140	06/21/21 23:15	06/23/21 13:05	40
Toluene-d8 (Surr)	90		50 - 149	06/21/21 23:15	06/23/21 13:05	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (26.5-26.8)
Date Collected: 06/18/21 14:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-8
Matrix: Solid
Percent Solids: 87.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
2-Butanone (MEK)	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
2-Hexanone	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
4-Methyl-2-pentanone (MIBK)	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Acetone	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Benzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Bromodichloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Bromoform	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Bromomethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Carbon disulfide	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Chlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Chloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Chloroform	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Chloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Cyclohexane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Dibromochloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Ethylbenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Isopropylbenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Methyl acetate	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Methylcyclohexane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Methylene Chloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Styrene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Tetrachloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Toluene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Trichloroethene	**87000**		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Vinyl chloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10
Xylenes, Total	ND		2400		ug/Kg	☼	06/21/21 23:15	06/23/21 13:28	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-72 (26.5-26.8)
Date Collected: 06/18/21 14:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-8
Matrix: Solid
Percent Solids: 87.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		53 - 146	06/21/21 23:15	06/23/21 13:28	10
4-Bromofluorobenzene (Surr)	98		49 - 148	06/21/21 23:15	06/23/21 13:28	10
Dibromofluoromethane (Surr)	110		60 - 140	06/21/21 23:15	06/23/21 13:28	10
Toluene-d8 (Surr)	89		50 - 149	06/21/21 23:15	06/23/21 13:28	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (26.5)
Date Collected: 06/18/21 14:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-9
Matrix: Solid
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,1,2,2-Tetrachloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,1,2-Trichloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,1-Dichloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,1-Dichloroethene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2,4-Trichlorobenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2-Dibromo-3-Chloropropane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2-Dibromoethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2-Dichlorobenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2-Dichloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,2-Dichloropropane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,3-Dichlorobenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
1,4-Dichlorobenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
2-Butanone (MEK)	ND		15000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
2-Hexanone	ND		15000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
4-Methyl-2-pentanone (MIBK)	ND		15000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Acetone	ND		15000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Benzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Bromodichloromethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Bromoform	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Bromomethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Carbon disulfide	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Carbon tetrachloride	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Chlorobenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Chloroethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Chloroform	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Chloromethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
cis-1,2-Dichloroethene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
cis-1,3-Dichloropropene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Cyclohexane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Dibromochloromethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Dichlorodifluoromethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Ethylbenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Isopropylbenzene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Methyl acetate	ND		15000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Methyl tert-butyl ether	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Methylcyclohexane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Methylene Chloride	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Styrene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Tetrachloroethene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Toluene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
trans-1,2-Dichloroethene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
trans-1,3-Dichloropropene	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Trichloroethene	**140000**		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Trichlorofluoromethane	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Vinyl chloride	ND		3000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25
Xylenes, Total	ND		6000		ug/Kg	☼	06/21/21 23:15	06/23/21 13:51	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (26.5)
Date Collected: 06/18/21 14:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-9
Matrix: Solid
Percent Solids: 86.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		53 - 146	06/21/21 23:15	06/23/21 13:51	25
4-Bromofluorobenzene (Surr)	96		49 - 148	06/21/21 23:15	06/23/21 13:51	25
Dibromofluoromethane (Surr)	105		60 - 140	06/21/21 23:15	06/23/21 13:51	25
Toluene-d8 (Surr)	92		50 - 149	06/21/21 23:15	06/23/21 13:51	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: DUP-02-20210618
Date Collected: 06/18/21 00:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-10
Matrix: Solid
Percent Solids: 89.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
2-Hexanone	ND		14000		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Acetone	ND		14000		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Benzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Bromodichloromethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Bromoform	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Bromomethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Carbon disulfide	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Chlorobenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Chloroethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Chloroform	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Chloromethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Cyclohexane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Dibromochloromethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Ethylbenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Isopropylbenzene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Methyl acetate	ND		14000		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Methylcyclohexane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Methylene Chloride	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Styrene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Tetrachloroethene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Toluene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Trichloroethene	**160000**		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Trichlorofluoromethane	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Vinyl chloride	ND		2900		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25
Xylenes, Total	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:15	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: DUP-02-20210618
Date Collected: 06/18/21 00:00
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-10
Matrix: Solid
Percent Solids: 89.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		53 - 146	06/21/21 23:15	06/23/21 14:15	25
4-Bromofluorobenzene (Surr)	103		49 - 148	06/21/21 23:15	06/23/21 14:15	25
Dibromofluoromethane (Surr)	109		60 - 140	06/21/21 23:15	06/23/21 14:15	25
Toluene-d8 (Surr)	91		50 - 149	06/21/21 23:15	06/23/21 14:15	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (29.9-30.3)
Date Collected: 06/18/21 14:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-11
Matrix: Solid
Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,1,2,2-Tetrachloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,1,2-Trichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,1-Dichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,1-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2,4-Trichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2-Dibromo-3-Chloropropane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2-Dibromoethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2-Dichloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,2-Dichloropropane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,3-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
1,4-Dichlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
2-Butanone (MEK)	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
2-Hexanone	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
4-Methyl-2-pentanone (MIBK)	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Acetone	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Benzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Bromodichloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Bromoform	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Bromomethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Carbon disulfide	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Carbon tetrachloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Chlorobenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Chloroethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Chloroform	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Chloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
cis-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
cis-1,3-Dichloropropene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Cyclohexane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Dibromochloromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Dichlorodifluoromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Ethylbenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Isopropylbenzene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Methyl acetate	ND		5800		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Methyl tert-butyl ether	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Methylcyclohexane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Methylene Chloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Styrene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Tetrachloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Toluene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
trans-1,2-Dichloroethene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
trans-1,3-Dichloropropene	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Trichloroethene	**74000**		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Trichlorofluoromethane	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Vinyl chloride	ND		1200		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10
Xylenes, Total	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 14:38	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (29.9-30.3)
Date Collected: 06/18/21 14:45
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-11
Matrix: Solid
Percent Solids: 89.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/21/21 23:15	06/23/21 14:38	10
4-Bromofluorobenzene (Surr)	99		49 - 148	06/21/21 23:15	06/23/21 14:38	10
Dibromofluoromethane (Surr)	105		60 - 140	06/21/21 23:15	06/23/21 14:38	10
Toluene-d8 (Surr)	92		50 - 149	06/21/21 23:15	06/23/21 14:38	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (32-32.3)
Date Collected: 06/18/21 15:05
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-12
Matrix: Solid
Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,1,2,2-Tetrachloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,1,2-Trichloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,1-Dichloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,1-Dichloroethene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2,4-Trichlorobenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2-Dibromo-3-Chloropropane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2-Dibromoethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2-Dichlorobenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2-Dichloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,2-Dichloropropane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,3-Dichlorobenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
1,4-Dichlorobenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
2-Butanone (MEK)	ND		13000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
2-Hexanone	ND		13000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
4-Methyl-2-pentanone (MIBK)	ND		13000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Acetone	ND		13000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Benzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Bromodichloromethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Bromoform	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Bromomethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Carbon disulfide	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Carbon tetrachloride	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Chlorobenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Chloroethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Chloroform	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Chloromethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
cis-1,2-Dichloroethene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
cis-1,3-Dichloropropene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Cyclohexane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Dibromochloromethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Dichlorodifluoromethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Ethylbenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Isopropylbenzene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Methyl acetate	ND		13000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Methyl tert-butyl ether	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Methylcyclohexane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Methylene Chloride	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Styrene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Tetrachloroethene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Toluene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
trans-1,2-Dichloroethene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
trans-1,3-Dichloropropene	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Trichloroethene	**140000**		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Trichlorofluoromethane	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Vinyl chloride	ND		2700		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20
Xylenes, Total	ND		5300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:01	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-73 (32-32.3)
Date Collected: 06/18/21 15:05
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-12
Matrix: Solid
Percent Solids: 80.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/21/21 23:15	06/23/21 15:01	20
4-Bromofluorobenzene (Surr)	96		49 - 148	06/21/21 23:15	06/23/21 15:01	20
Dibromofluoromethane (Surr)	106		60 - 140	06/21/21 23:15	06/23/21 15:01	20
Toluene-d8 (Surr)	87		50 - 149	06/21/21 23:15	06/23/21 15:01	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (29-1-29.3)
Date Collected: 06/18/21 12:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-13
Matrix: Solid
Percent Solids: 84.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,1,2,2-Tetrachloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,1,2-Trichloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,1-Dichloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,1-Dichloroethene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2,4-Trichlorobenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2-Dibromo-3-Chloropropane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2-Dibromoethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2-Dichlorobenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2-Dichloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,2-Dichloropropane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,3-Dichlorobenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
1,4-Dichlorobenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
2-Butanone (MEK)	ND		16000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
2-Hexanone	ND		16000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
4-Methyl-2-pentanone (MIBK)	ND		16000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Acetone	ND		16000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Benzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Bromodichloromethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Bromoform	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Bromomethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Carbon disulfide	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Carbon tetrachloride	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Chlorobenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Chloroethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Chloroform	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Chloromethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
cis-1,2-Dichloroethene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
cis-1,3-Dichloropropene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Cyclohexane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Dibromochloromethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Dichlorodifluoromethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Ethylbenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Isopropylbenzene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Methyl acetate	ND		16000		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Methyl tert-butyl ether	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Methylcyclohexane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Methylene Chloride	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Styrene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Tetrachloroethene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Toluene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
trans-1,2-Dichloroethene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
trans-1,3-Dichloropropene	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Trichloroethene	**150000**		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Trichlorofluoromethane	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Vinyl chloride	ND		3100		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25
Xylenes, Total	ND		6200		ug/Kg	☼	06/21/21 23:15	06/23/21 15:24	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (29-1-29.3)
Date Collected: 06/18/21 12:20
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-13
Matrix: Solid
Percent Solids: 84.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		53 - 146	06/21/21 23:15	06/23/21 15:24	25
4-Bromofluorobenzene (Surr)	95		49 - 148	06/21/21 23:15	06/23/21 15:24	25
Dibromofluoromethane (Surr)	103		60 - 140	06/21/21 23:15	06/23/21 15:24	25
Toluene-d8 (Surr)	88		50 - 149	06/21/21 23:15	06/23/21 15:24	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (32-32.7)
Date Collected: 06/18/21 12:25
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-14
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
2-Hexanone	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Acetone	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Benzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Bromodichloromethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Bromoform	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Bromomethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Carbon disulfide	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Carbon tetrachloride	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Chlorobenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Chloroethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Chloroform	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Chloromethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
cis-1,2-Dichloroethene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Cyclohexane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Dibromochloromethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Ethylbenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Isopropylbenzene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Methyl acetate	ND		2300		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Methylcyclohexane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Methylene Chloride	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Styrene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Tetrachloroethene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Toluene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Trichloroethene	**25000**		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Vinyl chloride	ND		460		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4
Xylenes, Total	ND		930		ug/Kg	☼	06/21/21 23:15	06/23/21 15:47	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (32-32.7)
Date Collected: 06/18/21 12:25
Date Received: 06/19/21 10:00

Lab Sample ID: 480-186304-14
Matrix: Solid
Percent Solids: 88.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	06/21/21 23:15	06/23/21 15:47	4
4-Bromofluorobenzene (Surr)	98		49 - 148	06/21/21 23:15	06/23/21 15:47	4
Dibromofluoromethane (Surr)	103		60 - 140	06/21/21 23:15	06/23/21 15:47	4
Toluene-d8 (Surr)	89		50 - 149	06/21/21 23:15	06/23/21 15:47	4

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186304-1	D-45 (20.7-20.9)	93	97	93	88
480-186304-2	D-45 (21.5-22)	97	101	98	92
480-186304-3	D-45 (26)	98	98	99	91
480-186304-4	D-45 (24-24.9)	96	99	98	91
480-186304-4 MS	D-45 (24-24.9) MS	92	101	94	90
480-186304-4 MSD	D-45 (24-24.9) MSD	91	97	95	92
480-186304-5	D-72 (27-1)	93	99	91	92
480-186304-6	D-72 (28.3-28.6)	101	100	106	91
480-186304-7	D-72 (29.2-29.6)	98	99	103	90
480-186304-8	D-72 (26.5-26.8)	101	98	110	89
480-186304-9	D-73 (26.5)	100	96	105	92
480-186304-10	DUP-02-20210618	105	103	109	91
480-186304-11	D-73 (29.9-30.3)	99	99	105	92
480-186304-12	D-73 (32-32.3)	99	96	106	87
480-186304-13	D-45 (29-1-29.3)	98	95	103	88
480-186304-14	D-45 (32-32.7)	97	98	103	89
LCS 480-586335/1-A	Lab Control Sample	86	102	90	91
LCS 480-586336/1-A	Lab Control Sample	94	97	100	90
MB 480-586335/2-A	Method Blank	91	100	89	93
MB 480-586336/2-A	Method Blank	100	100	103	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586335/2-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1-Dichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,1-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dibromoethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,2-Dichloropropane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
2-Butanone (MEK)	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
2-Hexanone	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Acetone	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Benzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromodichloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromoform	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Bromomethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Carbon disulfide	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Carbon tetrachloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chlorobenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chloroethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chloroform	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Chloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Cyclohexane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Dibromochloromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Ethylbenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Isopropylbenzene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methyl acetate	ND		500		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methylcyclohexane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Methylene Chloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Styrene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Tetrachloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Toluene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Trichloroethene	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Trichlorofluoromethane	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Vinyl chloride	ND		100		ug/Kg		06/21/21 22:40	06/23/21 11:09	1
Xylenes, Total	ND		200		ug/Kg		06/21/21 22:40	06/23/21 11:09	1

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

Lab Sample ID: MB 480-586335/2-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586335

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*06/21/21 22:40*	*06/23/21 11:09*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*06/21/21 22:40*	*06/23/21 11:09*	*1*

Lab Sample ID: LCS 480-586335/1-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2350		ug/Kg		94	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2470		ug/Kg		99	10 - 179
1,1,2-Trichloroethane	2500	2430		ug/Kg		97	80 - 120
1,1-Dichloroethane	2500	2470		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2420		ug/Kg		97	48 - 133
1,2,4-Trichlorobenzene	2500	2460		ug/Kg		99	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2110		ug/Kg		84	56 - 122
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2390		ug/Kg		96	78 - 125
1,2-Dichloroethane	2500	2300		ug/Kg		92	74 - 127
1,2-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,3-Dichlorobenzene	2500	2460		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
2-Butanone (MEK)	12500	11600		ug/Kg		93	54 - 149
2-Hexanone	12500	11400		ug/Kg		91	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2490		ug/Kg		99	77 - 125
Bromodichloromethane	2500	2420		ug/Kg		97	71 - 121
Bromoform	2500	2290		ug/Kg		92	48 - 125
Bromomethane	2500	1990		ug/Kg		80	39 - 149
Carbon disulfide	2500	2360		ug/Kg		94	40 - 136
Carbon tetrachloride	2500	2380		ug/Kg		95	54 - 135
Chlorobenzene	2500	2570		ug/Kg		103	76 - 126
Chloroethane	2500	2040		ug/Kg		82	23 - 150
Chloroform	2500	2300		ug/Kg		92	78 - 120
Chloromethane	2500	2430		ug/Kg		97	61 - 124
cis-1,2-Dichloroethene	2500	2430		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2650		ug/Kg		106	75 - 121
Cyclohexane	2500	2580		ug/Kg		103	49 - 129
Dibromochloromethane	2500	2440		ug/Kg		98	64 - 120
Dichlorodifluoromethane	2500	2150		ug/Kg		86	10 - 150
Ethylbenzene	2500	2630		ug/Kg		105	78 - 124
Isopropylbenzene	2500	2720		ug/Kg		109	76 - 120
Methyl acetate	5000	4590		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2410		ug/Kg		96	67 - 137
Methylcyclohexane	2500	2690		ug/Kg		108	50 - 130

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

Lab Sample ID: LCS 480-586335/1-A
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2520		ug/Kg		101	75 - 118
Styrene	2500	2610		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2400		ug/Kg		96	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2430		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2620		ug/Kg		105	73 - 120
Trichloroethene	2500	2510		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2160		ug/Kg		86	29 - 158
Vinyl chloride	2500	2660		ug/Kg		106	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*90*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

Lab Sample ID: 480-186304-4 MS
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: D-45 (24-24.9) MS
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2800	2880		ug/Kg	☼	103	64 - 142
1,1,2,2-Tetrachloroethane	ND		2800	2920		ug/Kg	☼	104	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800	3670		ug/Kg	☼	131	64 - 154
1,1,2-Trichloroethane	ND		2800	2780		ug/Kg	☼	99	63 - 133
1,1-Dichloroethane	ND		2800	2980		ug/Kg	☼	106	64 - 135
1,1-Dichloroethene	ND		2800	3330		ug/Kg	☼	119	62 - 145
1,2,4-Trichlorobenzene	ND		2800	2620		ug/Kg	☼	94	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2800	2520		ug/Kg	☼	90	40 - 122
1,2-Dibromoethane	ND		2800	2960		ug/Kg	☼	105	65 - 133
1,2-Dichlorobenzene	ND		2800	2720		ug/Kg	☼	97	68 - 133
1,2-Dichloroethane	ND		2800	2900		ug/Kg	☼	104	62 - 135
1,2-Dichloropropane	ND		2800	2910		ug/Kg	☼	104	67 - 139
1,3-Dichlorobenzene	ND		2800	2900		ug/Kg	☼	103	68 - 136
1,4-Dichlorobenzene	ND		2800	2750		ug/Kg	☼	98	69 - 136
2-Butanone (MEK)	ND		14000	14000		ug/Kg	☼	100	46 - 132
2-Hexanone	ND		14000	13600		ug/Kg	☼	97	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		14000	13700		ug/Kg	☼	98	49 - 125
Acetone	ND		14000	13800		ug/Kg	☼	98	32 - 136
Benzene	ND		2800	3010		ug/Kg	☼	107	68 - 137
Bromodichloromethane	ND		2800	2940		ug/Kg	☼	105	62 - 136
Bromoform	ND		2800	2330		ug/Kg	☼	83	43 - 134
Bromomethane	ND		2800	3260		ug/Kg	☼	116	38 - 137
Carbon disulfide	ND		2800	2930		ug/Kg	☼	104	52 - 139
Carbon tetrachloride	ND		2800	2960		ug/Kg	☼	106	60 - 150
Chlorobenzene	ND		2800	3000		ug/Kg	☼	107	67 - 136
Chloroethane	ND		2800	3480		ug/Kg	☼	124	34 - 140
Chloroform	ND		2800	2910		ug/Kg	☼	104	64 - 133

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

Lab Sample ID: 480-186304-4 MS
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: D-45 (24-24.9) MS
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2800	3210		ug/Kg	☼	114	47 - 143
cis-1,2-Dichloroethene	ND		2800	3240		ug/Kg	☼	116	65 - 137
cis-1,3-Dichloropropene	ND		2800	2720		ug/Kg	☼	97	61 - 148
Cyclohexane	ND		2800	3150		ug/Kg	☼	112	63 - 149
Dibromochloromethane	ND		2800	2450		ug/Kg	☼	87	57 - 137
Dichlorodifluoromethane	ND		2800	2950		ug/Kg	☼	105	26 - 150
Ethylbenzene	ND		2800	2900		ug/Kg	☼	103	67 - 136
Isopropylbenzene	ND		2800	2970		ug/Kg	☼	106	65 - 147
Methyl acetate	ND		5610	5200		ug/Kg	☼	93	50 - 124
Methyl tert-butyl ether	ND		2800	3060		ug/Kg	☼	109	60 - 130
Methylcyclohexane	ND		2800	3130		ug/Kg	☼	112	67 - 150
Methylene Chloride	ND		2800	3610		ug/Kg	☼	114	63 - 138
Styrene	ND		2800	2890		ug/Kg	☼	103	68 - 137
Tetrachloroethene	ND		2800	2640		ug/Kg	☼	94	67 - 150
Toluene	ND		2800	3090		ug/Kg	☼	110	68 - 137
trans-1,2-Dichloroethene	ND		2800	3090		ug/Kg	☼	110	65 - 138
trans-1,3-Dichloropropene	ND		2800	2610		ug/Kg	☼	93	58 - 143
Trichloroethene	29000		2800	36000	4	ug/Kg	☼	244	69 - 143
Trichlorofluoromethane	ND		2800	3350		ug/Kg	☼	119	35 - 150
Vinyl chloride	ND		2800	3480		ug/Kg	☼	124	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*90*		*50 - 149*

Lab Sample ID: 480-186304-4 MSD
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: D-45 (24-24.9) MSD
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2820	2820		ug/Kg	☼	100	64 - 142	2	20
1,1,2,2-Tetrachloroethane	ND		2820	2810		ug/Kg	☼	100	56 - 128	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2820	3480		ug/Kg	☼	123	64 - 154	5	20
1,1,2-Trichloroethane	ND		2820	2660		ug/Kg	☼	95	63 - 133	4	20
1,1-Dichloroethane	ND		2820	3050		ug/Kg	☼	108	64 - 135	2	20
1,1-Dichloroethene	ND		2820	3370		ug/Kg	☼	120	62 - 145	1	20
1,2,4-Trichlorobenzene	ND		2820	2650		ug/Kg	☼	94	56 - 145	1	20
1,2-Dibromo-3-Chloropropane	ND		2820	2450		ug/Kg	☼	87	40 - 122	3	20
1,2-Dibromoethane	ND		2820	2720		ug/Kg	☼	96	65 - 133	8	20
1,2-Dichlorobenzene	ND		2820	2740		ug/Kg	☼	97	68 - 133	1	20
1,2-Dichloroethane	ND		2820	2820		ug/Kg	☼	100	62 - 135	3	20
1,2-Dichloropropane	ND		2820	2780		ug/Kg	☼	99	67 - 139	5	20
1,3-Dichlorobenzene	ND		2820	2870		ug/Kg	☼	102	68 - 136	1	20
1,4-Dichlorobenzene	ND		2820	2590		ug/Kg	☼	92	69 - 136	6	20
2-Butanone (MEK)	ND		14100	14100		ug/Kg	☼	100	46 - 132	1	20
2-Hexanone	ND		14100	13500		ug/Kg	☼	96	44 - 130	0	20

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

Lab Sample ID: 480-186304-4 MSD
Matrix: Solid
Analysis Batch: 586544

Client Sample ID: D-45 (24-24.9) MSD
Prep Type: Total/NA
Prep Batch: 586335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		14100	14000		ug/Kg	☼	100	49 - 125	2	20
Acetone	ND		14100	14800		ug/Kg	☼	105	32 - 136	7	20
Benzene	ND		2820	2880		ug/Kg	☼	102	68 - 137	4	20
Bromodichloromethane	ND		2820	2530		ug/Kg	☼	90	62 - 136	15	20
Bromoform	ND		2820	2480		ug/Kg	☼	88	43 - 134	6	20
Bromomethane	ND		2820	3400		ug/Kg	☼	121	38 - 137	4	20
Carbon disulfide	ND		2820	2730		ug/Kg	☼	97	52 - 139	7	20
Carbon tetrachloride	ND		2820	2840		ug/Kg	☼	101	60 - 150	4	20
Chlorobenzene	ND		2820	2960		ug/Kg	☼	105	67 - 136	1	20
Chloroethane	ND		2820	3300		ug/Kg	☼	117	34 - 140	5	20
Chloroform	ND		2820	2850		ug/Kg	☼	101	64 - 133	2	20
Chloromethane	ND		2820	2950		ug/Kg	☼	105	47 - 143	8	20
cis-1,2-Dichloroethene	ND		2820	3110		ug/Kg	☼	110	65 - 137	4	20
cis-1,3-Dichloropropene	ND		2820	2760		ug/Kg	☼	98	61 - 148	1	20
Cyclohexane	ND		2820	2750		ug/Kg	☼	98	63 - 149	13	20
Dibromochloromethane	ND		2820	2460		ug/Kg	☼	87	57 - 137	0	20
Dichlorodifluoromethane	ND		2820	2930		ug/Kg	☼	104	26 - 150	1	20
Ethylbenzene	ND		2820	2920		ug/Kg	☼	104	67 - 136	1	20
Isopropylbenzene	ND		2820	2830		ug/Kg	☼	101	65 - 147	5	20
Methyl acetate	ND		5630	5730		ug/Kg	☼	102	50 - 124	10	20
Methyl tert-butyl ether	ND		2820	3220		ug/Kg	☼	114	60 - 130	5	20
Methylcyclohexane	ND		2820	3100		ug/Kg	☼	110	67 - 150	1	20
Methylene Chloride	ND		2820	3890		ug/Kg	☼	124	63 - 138	7	20
Styrene	ND		2820	2740		ug/Kg	☼	97	68 - 137	6	20
Tetrachloroethene	ND		2820	2820		ug/Kg	☼	100	67 - 150	6	20
Toluene	ND		2820	2920		ug/Kg	☼	104	68 - 137	6	20
trans-1,2-Dichloroethene	ND		2820	2810		ug/Kg	☼	100	65 - 138	10	20
trans-1,3-Dichloropropene	ND		2820	2480		ug/Kg	☼	88	58 - 143	5	20
Trichloroethene	29000		2820	33700	4	ug/Kg	☼	161	69 - 143	7	20
Trichlorofluoromethane	ND		2820	3100		ug/Kg	☼	110	35 - 150	8	20
Vinyl chloride	ND		2820	3050		ug/Kg	☼	108	56 - 150	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

Lab Sample ID: MB 480-586336/2-A
Matrix: Solid
Analysis Batch: 586541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,1-Dichloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1

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

Lab Sample ID: MB 480-586336/2-A
Matrix: Solid
Analysis Batch: 586541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2-Dibromoethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2-Dichloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,2-Dichloropropane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
2-Butanone (MEK)	ND		500		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
2-Hexanone	ND		500		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Acetone	ND		500		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Benzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Bromodichloromethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Bromoform	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Bromomethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Carbon disulfide	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Carbon tetrachloride	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Chlorobenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Chloroethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Chloroform	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Chloromethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Cyclohexane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Dibromochloromethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Ethylbenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Isopropylbenzene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Methyl acetate	ND		500		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Methylcyclohexane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Methylene Chloride	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Styrene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Tetrachloroethene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Toluene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Trichloroethene	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Trichlorofluoromethane	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Vinyl chloride	ND		100		ug/Kg		06/21/21 23:15	06/23/21 11:42	1
Xylenes, Total	ND		200		ug/Kg		06/21/21 23:15	06/23/21 11:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*06/21/21 23:15*	*06/23/21 11:42*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*06/21/21 23:15*	*06/23/21 11:42*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*06/21/21 23:15*	*06/23/21 11:42*	*1*

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

Lab Sample ID: MB 480-586336/2-A
Matrix: Solid
Analysis Batch: 586541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586336

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	90		50 - 149	06/21/21 23:15	06/23/21 11:42	1

Lab Sample ID: LCS 480-586336/1-A
Matrix: Solid
Analysis Batch: 586541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2990		ug/Kg		120	68 - 130
1,1,2,2-Tetrachloroethane	2500	2460		ug/Kg		99	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2910		ug/Kg		117	10 - 179
1,1,2-Trichloroethane	2500	2550		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2750		ug/Kg		110	78 - 121
1,1-Dichloroethene	2500	2820		ug/Kg		113	48 - 133
1,2,4-Trichlorobenzene	2500	2610		ug/Kg		104	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2150		ug/Kg		86	56 - 122
1,2-Dibromoethane	2500	2540		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2520		ug/Kg		101	78 - 125
1,2-Dichloroethane	2500	2570		ug/Kg		103	74 - 127
1,2-Dichloropropane	2500	2790		ug/Kg		112	80 - 120
1,3-Dichlorobenzene	2500	2510		ug/Kg		100	80 - 120
1,4-Dichlorobenzene	2500	2510		ug/Kg		100	80 - 120
2-Butanone (MEK)	12500	11500		ug/Kg		92	54 - 149
2-Hexanone	12500	10700		ug/Kg		86	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11800		ug/Kg		94	74 - 120
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2820		ug/Kg		113	77 - 125
Bromodichloromethane	2500	2660		ug/Kg		107	71 - 121
Bromoform	2500	2700		ug/Kg		108	48 - 125
Bromomethane	2500	2440		ug/Kg		98	39 - 149
Carbon disulfide	2500	2850		ug/Kg		114	40 - 136
Carbon tetrachloride	2500	3070		ug/Kg		123	54 - 135
Chlorobenzene	2500	2650		ug/Kg		106	76 - 126
Chloroethane	2500	2340		ug/Kg		94	23 - 150
Chloroform	2500	2660		ug/Kg		106	78 - 120
Chloromethane	2500	2400		ug/Kg		96	61 - 124
cis-1,2-Dichloroethene	2500	2930		ug/Kg		117	79 - 124
cis-1,3-Dichloropropene	2500	2880		ug/Kg		115	75 - 121
Cyclohexane	2500	2860		ug/Kg		114	49 - 129
Dibromochloromethane	2500	2550		ug/Kg		102	64 - 120
Dichlorodifluoromethane	2500	2290		ug/Kg		92	10 - 150
Ethylbenzene	2500	2660		ug/Kg		106	78 - 124
Isopropylbenzene	2500	2750		ug/Kg		110	76 - 120
Methyl acetate	5000	4620		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2740		ug/Kg		110	67 - 137
Methylcyclohexane	2500	2900		ug/Kg		116	50 - 130
Methylene Chloride	2500	2730		ug/Kg		109	75 - 118
Styrene	2500	2610		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2740		ug/Kg		110	73 - 133

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

Lab Sample ID: LCS 480-586336/1-A
Matrix: Solid
Analysis Batch: 586541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	2500	2570		ug/Kg		103	75 - 124
trans-1,2-Dichloroethene	2500	2680		ug/Kg		107	74 - 129
trans-1,3-Dichloropropene	2500	2670		ug/Kg		107	73 - 120
Trichloroethene	2500	2880		ug/Kg		115	75 - 131
Trichlorofluoromethane	2500	2680		ug/Kg		107	29 - 158
Vinyl chloride	2500	2620		ug/Kg		105	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*
Dibromofluoromethane (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*90*		*50 - 149*

GC/MS VOA

Prep Batch: 586335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186304-1	D-45 (20.7-20.9)	Total/NA	Solid	5035A_H	
480-186304-2	D-45 (21.5-22)	Total/NA	Solid	5035A_H	
480-186304-3	D-45 (26)	Total/NA	Solid	5035A_H	
480-186304-4	D-45 (24-24.9)	Total/NA	Solid	5035A_H	
480-186304-5	D-72 (27-1)	Total/NA	Solid	5035A_H	
MB 480-586335/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586335/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186304-4 MS	D-45 (24-24.9) MS	Total/NA	Solid	5035A_H	
480-186304-4 MSD	D-45 (24-24.9) MSD	Total/NA	Solid	5035A_H	

Prep Batch: 586336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186304-6	D-72 (28.3-28.6)	Total/NA	Solid	5035A_H	
480-186304-7	D-72 (29.2-29.6)	Total/NA	Solid	5035A_H	
480-186304-8	D-72 (26.5-26.8)	Total/NA	Solid	5035A_H	
480-186304-9	D-73 (26.5)	Total/NA	Solid	5035A_H	
480-186304-10	DUP-02-20210618	Total/NA	Solid	5035A_H	
480-186304-11	D-73 (29.9-30.3)	Total/NA	Solid	5035A_H	
480-186304-12	D-73 (32-32.3)	Total/NA	Solid	5035A_H	
480-186304-13	D-45 (29-1-29.3)	Total/NA	Solid	5035A_H	
480-186304-14	D-45 (32-32.7)	Total/NA	Solid	5035A_H	
MB 480-586336/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586336/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 586541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186304-6	D-72 (28.3-28.6)	Total/NA	Solid	8260C	586336
480-186304-7	D-72 (29.2-29.6)	Total/NA	Solid	8260C	586336
480-186304-8	D-72 (26.5-26.8)	Total/NA	Solid	8260C	586336
480-186304-9	D-73 (26.5)	Total/NA	Solid	8260C	586336
480-186304-10	DUP-02-20210618	Total/NA	Solid	8260C	586336
480-186304-11	D-73 (29.9-30.3)	Total/NA	Solid	8260C	586336
480-186304-12	D-73 (32-32.3)	Total/NA	Solid	8260C	586336
480-186304-13	D-45 (29-1-29.3)	Total/NA	Solid	8260C	586336
480-186304-14	D-45 (32-32.7)	Total/NA	Solid	8260C	586336
MB 480-586336/2-A	Method Blank	Total/NA	Solid	8260C	586336
LCS 480-586336/1-A	Lab Control Sample	Total/NA	Solid	8260C	586336

Analysis Batch: 586544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186304-1	D-45 (20.7-20.9)	Total/NA	Solid	8260C	586335
480-186304-2	D-45 (21.5-22)	Total/NA	Solid	8260C	586335
480-186304-3	D-45 (26)	Total/NA	Solid	8260C	586335
480-186304-4	D-45 (24-24.9)	Total/NA	Solid	8260C	586335
480-186304-5	D-72 (27-1)	Total/NA	Solid	8260C	586335
MB 480-586335/2-A	Method Blank	Total/NA	Solid	8260C	586335
LCS 480-586335/1-A	Lab Control Sample	Total/NA	Solid	8260C	586335
480-186304-4 MS	D-45 (24-24.9) MS	Total/NA	Solid	8260C	586335
480-186304-4 MSD	D-45 (24-24.9) MSD	Total/NA	Solid	8260C	586335

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

General Chemistry

Analysis Batch: 586304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186304-1	D-45 (20.7-20.9)	Total/NA	Solid	Moisture	
480-186304-2	D-45 (21.5-22)	Total/NA	Solid	Moisture	
480-186304-3	D-45 (26)	Total/NA	Solid	Moisture	
480-186304-4	D-45 (24-24.9)	Total/NA	Solid	Moisture	
480-186304-5	D-72 (27-1)	Total/NA	Solid	Moisture	
480-186304-6	D-72 (28.3-28.6)	Total/NA	Solid	Moisture	
480-186304-7	D-72 (29.2-29.6)	Total/NA	Solid	Moisture	
480-186304-8	D-72 (26.5-26.8)	Total/NA	Solid	Moisture	
480-186304-9	D-73 (26.5)	Total/NA	Solid	Moisture	
480-186304-10	DUP-02-20210618	Total/NA	Solid	Moisture	
480-186304-11	D-73 (29.9-30.3)	Total/NA	Solid	Moisture	
480-186304-12	D-73 (32-32.3)	Total/NA	Solid	Moisture	
480-186304-13	D-45 (29-1-29.3)	Total/NA	Solid	Moisture	
480-186304-14	D-45 (32-32.7)	Total/NA	Solid	Moisture	
480-186304-4 MS	D-45 (24-24.9) MS	Total/NA	Solid	Moisture	
480-186304-4 MSD	D-45 (24-24.9) MSD	Total/NA	Solid	Moisture	

Client Sample ID: D-45 (20.7-20.9) — **Lab Sample ID: 480-186304-1**
Date Collected: 06/18/21 08:40 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-45 (20.7-20.9) — **Lab Sample ID: 480-186304-1**
Date Collected: 06/18/21 08:40 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 91.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		100	586544	06/23/21 18:23	WJD	TAL BUF

Client Sample ID: D-45 (21.5-22) — **Lab Sample ID: 480-186304-2**
Date Collected: 06/18/21 08:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-45 (21.5-22) — **Lab Sample ID: 480-186304-2**
Date Collected: 06/18/21 08:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 90.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		40	586544	06/23/21 18:46	WJD	TAL BUF

Client Sample ID: D-45 (26) — **Lab Sample ID: 480-186304-3**
Date Collected: 06/18/21 09:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-45 (26) — **Lab Sample ID: 480-186304-3**
Date Collected: 06/18/21 09:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 92.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586544	06/23/21 19:09	WJD	TAL BUF

Client Sample ID: D-45 (24-24.9) — **Lab Sample ID: 480-186304-4**
Date Collected: 06/18/21 10:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-45 (24-24.9) — **Lab Sample ID: 480-186304-4**
Date Collected: 06/18/21 10:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		8	586544	06/23/21 19:32	WJD	TAL BUF

Client Sample ID: D-72 (27-1) — **Lab Sample ID: 480-186304-5**
Date Collected: 06/18/21 11:40 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-72 (27-1) — **Lab Sample ID: 480-186304-5**
Date Collected: 06/18/21 11:40 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 86.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586335	06/21/21 22:40	CDC	TAL BUF
Total/NA	Analysis	8260C		80	586544	06/23/21 19:55	WJD	TAL BUF

Client Sample ID: D-72 (28.3-28.6) — **Lab Sample ID: 480-186304-6**
Date Collected: 06/18/21 12:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-72 (28.3-28.6) — **Lab Sample ID: 480-186304-6**
Date Collected: 06/18/21 12:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 89.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		100	586541	06/23/21 12:42	WJD	TAL BUF

Client Sample ID: D-72 (29.2-29.6) — **Lab Sample ID: 480-186304-7**
Date Collected: 06/18/21 12:10 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-72 (29.2-29.6) — **Lab Sample ID: 480-186304-7**
Date Collected: 06/18/21 12:10 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 82.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		40	586541	06/23/21 13:05	WJD	TAL BUF

Client Sample ID: D-72 (26.5-26.8) — **Lab Sample ID: 480-186304-8**
Date Collected: 06/18/21 14:20 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-72 (26.5-26.8) — **Lab Sample ID: 480-186304-8**
Date Collected: 06/18/21 14:20 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 87.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		10	586541	06/23/21 13:28	WJD	TAL BUF

Client Sample ID: D-73 (26.5) — **Lab Sample ID: 480-186304-9**
Date Collected: 06/18/21 14:20 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-73 (26.5) — **Lab Sample ID: 480-186304-9**
Date Collected: 06/18/21 14:20 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 86.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		25	586541	06/23/21 13:51	WJD	TAL BUF

Client Sample ID: DUP-02-20210618 — **Lab Sample ID: 480-186304-10**
Date Collected: 06/18/21 00:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: DUP-02-20210618 — **Lab Sample ID: 480-186304-10**
Date Collected: 06/18/21 00:00 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 89.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		25	586541	06/23/21 14:15	WJD	TAL BUF

Client Sample ID: D-73 (29.9-30.3) — **Lab Sample ID: 480-186304-11**
Date Collected: 06/18/21 14:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-73 (29.9-30.3) — **Lab Sample ID: 480-186304-11**
Date Collected: 06/18/21 14:45 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		10	586541	06/23/21 14:38	WJD	TAL BUF

Client Sample ID: D-73 (32-32.3) — **Lab Sample ID: 480-186304-12**
Date Collected: 06/18/21 15:05 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-73 (32-32.3) — **Lab Sample ID: 480-186304-12**
Date Collected: 06/18/21 15:05 — **Matrix: Solid**
Date Received: 06/19/21 10:00 — **Percent Solids: 80.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586541	06/23/21 15:01	WJD	TAL BUF

Client Sample ID: D-45 (29-1-29.3) — **Lab Sample ID: 480-186304-13**
Date Collected: 06/18/21 12:20 — **Matrix: Solid**
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Client Sample ID: D-45 (29-1-29.3)

Lab Sample ID: 480-186304-13

Date Collected: 06/18/21 12:20
Matrix: Solid
Date Received: 06/19/21 10:00
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		25	586541	06/23/21 15:24	WJD	TAL BUF

Client Sample ID: D-45 (32-32.7)

Lab Sample ID: 480-186304-14

Date Collected: 06/18/21 12:25
Matrix: Solid
Date Received: 06/19/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586304	06/21/21 16:02	JMM	TAL BUF

Client Sample ID: D-45 (32-32.7)

Lab Sample ID: 480-186304-14

Date Collected: 06/18/21 12:25
Matrix: Solid
Date Received: 06/19/21 10:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586336	06/21/21 23:15	CDC	TAL BUF
Total/NA	Analysis	8260C		4	586541	06/23/21 15:47	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186304-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186304-1	D-45 (20.7-20.9)	Solid	06/18/21 08:40	06/19/21 10:00	
480-186304-2	D-45 (21.5-22)	Solid	06/18/21 08:45	06/19/21 10:00	
480-186304-3	D-45 (26)	Solid	06/18/21 09:00	06/19/21 10:00	
480-186304-4	D-45 (24-24.9)	Solid	06/18/21 10:45	06/19/21 10:00	
480-186304-5	D-72 (27-1)	Solid	06/18/21 11:40	06/19/21 10:00	
480-186304-6	D-72 (28.3-28.6)	Solid	06/18/21 12:00	06/19/21 10:00	
480-186304-7	D-72 (29.2-29.6)	Solid	06/18/21 12:10	06/19/21 10:00	
480-186304-8	D-72 (26.5-26.8)	Solid	06/18/21 14:20	06/19/21 10:00	
480-186304-9	D-73 (26.5)	Solid	06/18/21 14:20	06/19/21 10:00	
480-186304-10	DUP-02-20210618	Solid	06/18/21 00:00	06/19/21 10:00	
480-186304-11	D-73 (29.9-30.3)	Solid	06/18/21 14:45	06/19/21 10:00	
480-186304-12	D-73 (32-32.3)	Solid	06/18/21 15:05	06/19/21 10:00	
480-186304-13	D-45 (29-1-29.3)	Solid	06/18/21 12:20	06/19/21 10:00	
480-186304-14	D-45 (32-32.7)	Solid	06/18/21 12:25	06/19/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

480-186304 Chain of Custody

Preservation Codes:

HCL	M - Hexane
NaOH	N - None
Zn Acetate	O - AsNaO2
Nitric Acid	P - Na2O4S
H2SO4	Q - Na2SO3
	R - Na2S2O3
NaHSO4	S - H2SO4
Ascorbic Acid	T - TSP Dodecahydrate
	U - Acetone
F - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-45(20.7-20.9)	6/18/21	0840	G	Solid			X			1	
D-45(21.5-22)	6/18/21	0845	G	Solid			X			1	
D-45(26)	6/18/21	0900	G	Solid			X			1	
D-45(24-24.9)	6/18/21	1045	G	Solid			X			1	
D-45(24-24.9)(MS/MSD)	6/18/21	1045	G	Solid			X			2	
D-72(27.1)	6/18/21	1140	G	Solid			X			1	
D-72(28.3-28.6)	6/18/21	1200	G	Solid			X			1	
D-72(29.2-29.6)	6/18/21	1210	G	Solid			X			1	
D-72(26.5-26.8)	6/18/21	1420	G	Solid			X			1	
D-73(26.5)	6/18/21	1420	G	Solid			X			1	
DUP-02-20210618	6/18/21	—	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ryan Clare	6/18/21 1600	Arcadis		6/19/21 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	A	X	
D-73(29.9-30.3)	6/18/21	1445	G	Solid			X			1	
D-73(32-32.3)	6/18/21	1505	G	solid			X			1	
D-45(29.1-29.3)	6/18/21	1220	G	solid			X			1	
D-45(32-32.7)	6/18/21	1225	G	solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	6/18/21 1600	Arcadis	Cwalker	6/19/21 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186304-1

Login Number: 186304

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.1 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186358-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/30/2021 11:42:49 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Job ID: 480-186358-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186358-1

Comments
No additional comments.

Receipt
The samples were received on 6/22/2021 10:30 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 3.1° C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-74 (26) (480-186358-1), D-74 (31.4-31.8) (480-186358-2), D-75 (26-27) (480-186358-3), D-75 (31-31.8) (480-186358-4), D-75 (31-31.8) (480-186358-4[MS]), D-75 (31-31.8) (480-186358-4[MSD]), D-49 (26-26.5) (480-186358-5), D-49 (29.3-29.7) (480-186358-6) and DUP-03-20210621 (480-186358-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: D-75 (31-31.8) (480-186358-4[MS]) and D-75 (31-31.8) (480-186358-4[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information. The following samples are impacted: D-75 (31-31.8) (480-186358-4[MS]) and D-75 (31-31.8) (480-186358-4[MSD]).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-74 (26) — Lab Sample ID: 480-186358-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		4600		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-74 (31.4-31.8) — Lab Sample ID: 480-186358-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	600000		12000		ug/Kg	100	☼	8260C	Total/NA

Client Sample ID: D-75 (26-27) — Lab Sample ID: 480-186358-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-75 (31-31.8) — Lab Sample ID: 480-186358-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	130000		2900		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-49 (26-26.5) — Lab Sample ID: 480-186358-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	4300		2400		ug/Kg	20	☼	8260C	Total/NA
cis-1,2-Dichloroethene	16000		2400		ug/Kg	20	☼	8260C	Total/NA
Toluene	3400		2400		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	160000		2400		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-49 (29.3-29.7) — Lab Sample ID: 480-186358-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	8100		3100		ug/Kg	25	☼	8260C	Total/NA
cis-1,2-Dichloroethene	5800		3100		ug/Kg	25	☼	8260C	Total/NA
Trichloroethene	150000		3100		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: EB-03-20210621 — Lab Sample ID: 480-186358-7

No Detections.

Client Sample ID: TRIP BLANK-20210621 — Lab Sample ID: 480-186358-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.8		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: DUP-03-20210621 — Lab Sample ID: 480-186358-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		2800		ug/Kg	25	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-74 (26)
Date Collected: 06/21/21 09:35
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-1
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,1,2,2-Tetrachloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,1,2-Trichloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,1-Dichloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,1-Dichloroethene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2,4-Trichlorobenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2-Dibromo-3-Chloropropane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2-Dibromoethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2-Dichlorobenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2-Dichloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,2-Dichloropropane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,3-Dichlorobenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
1,4-Dichlorobenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
2-Butanone (MEK)	ND		23000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
2-Hexanone	ND		23000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
4-Methyl-2-pentanone (MIBK)	ND		23000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Acetone	ND		23000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Benzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Bromodichloromethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Bromoform	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Bromomethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Carbon disulfide	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Carbon tetrachloride	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Chlorobenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Chloroethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Chloroform	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Chloromethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
cis-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
cis-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Cyclohexane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Dibromochloromethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Dichlorodifluoromethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Ethylbenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Isopropylbenzene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Methyl acetate	ND		23000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Methyl tert-butyl ether	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Methylcyclohexane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Methylene Chloride	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Styrene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Tetrachloroethene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Toluene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
trans-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
trans-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Trichloroethene	**150000**		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Trichlorofluoromethane	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Vinyl chloride	ND		4600		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40
Xylenes, Total	ND		9300		ug/Kg	☼	06/22/21 16:43	06/24/21 14:00	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-74 (26)
Date Collected: 06/21/21 09:35
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-1
Matrix: Solid
Percent Solids: 89.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/22/21 16:43	06/24/21 14:00	40
4-Bromofluorobenzene (Surr)	98		49 - 148	06/22/21 16:43	06/24/21 14:00	40
Dibromofluoromethane (Surr)	99		60 - 140	06/22/21 16:43	06/24/21 14:00	40
Toluene-d8 (Surr)	90		50 - 149	06/22/21 16:43	06/24/21 14:00	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-74 (31.4-31.8)
Date Collected: 06/21/21 10:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-2
Matrix: Solid
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,1,2,2-Tetrachloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,1,2-Trichloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,1-Dichloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,1-Dichloroethene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2,4-Trichlorobenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2-Dibromo-3-Chloropropane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2-Dibromoethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2-Dichlorobenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2-Dichloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,2-Dichloropropane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,3-Dichlorobenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
1,4-Dichlorobenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
2-Butanone (MEK)	ND		62000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
2-Hexanone	ND		62000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
4-Methyl-2-pentanone (MIBK)	ND		62000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Acetone	ND		62000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Benzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Bromodichloromethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Bromoform	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Bromomethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Carbon disulfide	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Carbon tetrachloride	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Chlorobenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Chloroethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Chloroform	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Chloromethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
cis-1,2-Dichloroethene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
cis-1,3-Dichloropropene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Cyclohexane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Dibromochloromethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Dichlorodifluoromethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Ethylbenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Isopropylbenzene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Methyl acetate	ND		62000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Methyl tert-butyl ether	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Methylcyclohexane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Methylene Chloride	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Styrene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Tetrachloroethene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Toluene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
trans-1,2-Dichloroethene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
trans-1,3-Dichloropropene	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Trichloroethene	**600000**		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Trichlorofluoromethane	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Vinyl chloride	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100
Xylenes, Total	ND		25000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:23	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-74 (31.4-31.8)
Date Collected: 06/21/21 10:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-2
Matrix: Solid
Percent Solids: 83.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/22/21 16:43	06/24/21 14:23	100
4-Bromofluorobenzene (Surr)	100		49 - 148	06/22/21 16:43	06/24/21 14:23	100
Dibromofluoromethane (Surr)	93		60 - 140	06/22/21 16:43	06/24/21 14:23	100
Toluene-d8 (Surr)	91		50 - 149	06/22/21 16:43	06/24/21 14:23	100

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-75 (26-27)
Date Collected: 06/21/21 13:10
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-3
Matrix: Solid
Percent Solids: 90.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2-Dibromo-3-Chloropropane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
2-Hexanone	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Acetone	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Benzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Bromodichloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Bromoform	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Bromomethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Carbon disulfide	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Chlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Chloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Chloroform	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Chloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Cyclohexane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Dibromochloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Ethylbenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Isopropylbenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Methyl acetate	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Methylcyclohexane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Methylene Chloride	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Styrene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Tetrachloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Toluene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Trichloroethene	**160000**		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Trichlorofluoromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Vinyl chloride	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25
Xylenes, Total	ND		5800		ug/Kg	☼	06/22/21 16:43	06/24/21 14:46	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-75 (26-27)
Date Collected: 06/21/21 13:10
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-3
Matrix: Solid
Percent Solids: 90.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/22/21 16:43	06/24/21 14:46	25
4-Bromofluorobenzene (Surr)	100		49 - 148	06/22/21 16:43	06/24/21 14:46	25
Dibromofluoromethane (Surr)	95		60 - 140	06/22/21 16:43	06/24/21 14:46	25
Toluene-d8 (Surr)	96		50 - 149	06/22/21 16:43	06/24/21 14:46	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-75 (31-31.8)
Date Collected: 06/21/21 14:50
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-4
Matrix: Solid
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,1,2,2-Tetrachloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,1,2-Trichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,1-Dichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,1-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2,4-Trichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2-Dibromo-3-Chloropropane	ND	F1	2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2-Dibromoethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2-Dichloroethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,2-Dichloropropane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,3-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
1,4-Dichlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
2-Butanone (MEK)	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
2-Hexanone	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
4-Methyl-2-pentanone (MIBK)	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Acetone	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Benzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Bromodichloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Bromoform	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Bromomethane	ND	F1	2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Carbon disulfide	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Carbon tetrachloride	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Chlorobenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Chloroethane	ND	F1 F2	2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Chloroform	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Chloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
cis-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
cis-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Cyclohexane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Dibromochloromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Dichlorodifluoromethane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Ethylbenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Isopropylbenzene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Methyl acetate	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Methyl tert-butyl ether	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Methylcyclohexane	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Methylene Chloride	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Styrene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Tetrachloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Toluene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
trans-1,2-Dichloroethene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
trans-1,3-Dichloropropene	ND		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Trichloroethene	**130000**		2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Trichlorofluoromethane	ND	F1 F2	2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Vinyl chloride	ND	F1	2900		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25
Xylenes, Total	ND	F1	5800		ug/Kg	☼	06/22/21 16:43	06/24/21 15:09	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-75 (31-31.8)
Date Collected: 06/21/21 14:50
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-4
Matrix: Solid
Percent Solids: 89.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/22/21 16:43	06/24/21 15:09	25
4-Bromofluorobenzene (Surr)	100		49 - 148	06/22/21 16:43	06/24/21 15:09	25
Dibromofluoromethane (Surr)	94		60 - 140	06/22/21 16:43	06/24/21 15:09	25
Toluene-d8 (Surr)	91		50 - 149	06/22/21 16:43	06/24/21 15:09	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-49 (26-26.5)
Date Collected: 06/21/21 14:20
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-5
Matrix: Solid
Percent Solids: 88.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,1,2,2-Tetrachloroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,1,2-Trichloroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,1-Dichloroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,1-Dichloroethene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2,4-Trichlorobenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2-Dibromo-3-Chloropropane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2-Dibromoethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2-Dichlorobenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2-Dichloroethane	**4300**		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,2-Dichloropropane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,3-Dichlorobenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
1,4-Dichlorobenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
2-Butanone (MEK)	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
2-Hexanone	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
4-Methyl-2-pentanone (MIBK)	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Acetone	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Benzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Bromodichloromethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Bromoform	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Bromomethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Carbon disulfide	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Carbon tetrachloride	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Chlorobenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Chloroethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Chloroform	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Chloromethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
cis-1,2-Dichloroethene	**16000**		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
cis-1,3-Dichloropropene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Cyclohexane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Dibromochloromethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Dichlorodifluoromethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Ethylbenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Isopropylbenzene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Methyl acetate	ND		12000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Methyl tert-butyl ether	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Methylcyclohexane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Methylene Chloride	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Styrene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Tetrachloroethene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Toluene	**3400**		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
trans-1,2-Dichloroethene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
trans-1,3-Dichloropropene	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Trichloroethene	**160000**		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Trichlorofluoromethane	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Vinyl chloride	ND		2400		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20
Xylenes, Total	ND		4700		ug/Kg	☼	06/22/21 16:43	06/24/21 15:32	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-49 (26-26.5)
Date Collected: 06/21/21 14:20
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-5
Matrix: Solid
Percent Solids: 88.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/22/21 16:43	06/24/21 15:32	20
4-Bromofluorobenzene (Surr)	96		49 - 148	06/22/21 16:43	06/24/21 15:32	20
Dibromofluoromethane (Surr)	93		60 - 140	06/22/21 16:43	06/24/21 15:32	20
Toluene-d8 (Surr)	91		50 - 149	06/22/21 16:43	06/24/21 15:32	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-49 (29.3-29.7)
Date Collected: 06/21/21 14:55
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-6
Matrix: Solid
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,1,2,2-Tetrachloroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,1,2-Trichloroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,1-Dichloroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,1-Dichloroethene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2,4-Trichlorobenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2-Dibromo-3-Chloropropane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2-Dibromoethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2-Dichlorobenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2-Dichloroethane	**8100**		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,2-Dichloropropane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,3-Dichlorobenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
1,4-Dichlorobenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
2-Butanone (MEK)	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
2-Hexanone	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
4-Methyl-2-pentanone (MIBK)	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Acetone	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Benzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Bromodichloromethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Bromoform	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Bromomethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Carbon disulfide	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Carbon tetrachloride	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Chlorobenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Chloroethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Chloroform	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Chloromethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
cis-1,2-Dichloroethene	**5800**		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
cis-1,3-Dichloropropene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Cyclohexane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Dibromochloromethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Dichlorodifluoromethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Ethylbenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Isopropylbenzene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Methyl acetate	ND		15000		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Methyl tert-butyl ether	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Methylcyclohexane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Methylene Chloride	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Styrene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Tetrachloroethene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Toluene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
trans-1,2-Dichloroethene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
trans-1,3-Dichloropropene	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Trichloroethene	**150000**		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Trichlorofluoromethane	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Vinyl chloride	ND		3100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25
Xylenes, Total	ND		6100		ug/Kg	☼	06/22/21 16:43	06/24/21 15:54	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: D-49 (29.3-29.7)
Date Collected: 06/21/21 14:55
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-6
Matrix: Solid
Percent Solids: 84.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/22/21 16:43	06/24/21 15:54	25
4-Bromofluorobenzene (Surr)	98		49 - 148	06/22/21 16:43	06/24/21 15:54	25
Dibromofluoromethane (Surr)	97		60 - 140	06/22/21 16:43	06/24/21 15:54	25
Toluene-d8 (Surr)	93		50 - 149	06/22/21 16:43	06/24/21 15:54	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: EB-03-20210621
Date Collected: 06/21/21 15:30
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,1-Dichloroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,1-Dichloroethene	ND		1.0		ug/L			06/24/21 12:50	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/24/21 12:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/24/21 12:50	1
1,2-Dibromoethane	ND		1.0		ug/L			06/24/21 12:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/24/21 12:50	1
1,2-Dichloroethane	ND		1.0		ug/L			06/24/21 12:50	1
1,2-Dichloropropane	ND		1.0		ug/L			06/24/21 12:50	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/24/21 12:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/24/21 12:50	1
2-Butanone (MEK)	ND		10		ug/L			06/24/21 12:50	1
2-Hexanone	ND		5.0		ug/L			06/24/21 12:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/24/21 12:50	1
Acetone	ND		10		ug/L			06/24/21 12:50	1
Benzene	ND		1.0		ug/L			06/24/21 12:50	1
Bromodichloromethane	ND		1.0		ug/L			06/24/21 12:50	1
Bromoform	ND		1.0		ug/L			06/24/21 12:50	1
Bromomethane	ND		1.0		ug/L			06/24/21 12:50	1
Carbon disulfide	ND		1.0		ug/L			06/24/21 12:50	1
Carbon tetrachloride	ND		1.0		ug/L			06/24/21 12:50	1
Chlorobenzene	ND		1.0		ug/L			06/24/21 12:50	1
Chloroethane	ND		1.0		ug/L			06/24/21 12:50	1
Chloroform	ND		1.0		ug/L			06/24/21 12:50	1
Chloromethane	ND		1.0		ug/L			06/24/21 12:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 12:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 12:50	1
Cyclohexane	ND		1.0		ug/L			06/24/21 12:50	1
Dibromochloromethane	ND		1.0		ug/L			06/24/21 12:50	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/24/21 12:50	1
Ethylbenzene	ND		1.0		ug/L			06/24/21 12:50	1
Isopropylbenzene	ND		1.0		ug/L			06/24/21 12:50	1
Methyl acetate	ND		2.5		ug/L			06/24/21 12:50	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/24/21 12:50	1
Methylcyclohexane	ND		1.0		ug/L			06/24/21 12:50	1
Methylene Chloride	ND		1.0		ug/L			06/24/21 12:50	1
Styrene	ND		1.0		ug/L			06/24/21 12:50	1
Tetrachloroethene	ND		1.0		ug/L			06/24/21 12:50	1
Toluene	ND		1.0		ug/L			06/24/21 12:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 12:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 12:50	1
Trichloroethene	ND		1.0		ug/L			06/24/21 12:50	1
Trichlorofluoromethane	ND		1.0		ug/L			06/24/21 12:50	1
Vinyl chloride	ND		1.0		ug/L			06/24/21 12:50	1
Xylenes, Total	ND		2.0		ug/L			06/24/21 12:50	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: EB-03-20210621
Date Collected: 06/21/21 15:30
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/24/21 12:50	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/24/21 12:50	1
Dibromofluoromethane (Surr)	101		75 - 123		06/24/21 12:50	1
Toluene-d8 (Surr)	99		80 - 120		06/24/21 12:50	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: TRIP BLANK-20210621
Date Collected: 06/21/21 00:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,1-Dichloroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,1-Dichloroethene	ND		1.0		ug/L			06/24/21 13:12	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/24/21 13:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/24/21 13:12	1
1,2-Dibromoethane	ND		1.0		ug/L			06/24/21 13:12	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/24/21 13:12	1
1,2-Dichloroethane	ND		1.0		ug/L			06/24/21 13:12	1
1,2-Dichloropropane	ND		1.0		ug/L			06/24/21 13:12	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/24/21 13:12	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/24/21 13:12	1
2-Butanone (MEK)	ND		10		ug/L			06/24/21 13:12	1
2-Hexanone	ND		5.0		ug/L			06/24/21 13:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/24/21 13:12	1
Acetone	ND		10		ug/L			06/24/21 13:12	1
Benzene	ND		1.0		ug/L			06/24/21 13:12	1
Bromodichloromethane	ND		1.0		ug/L			06/24/21 13:12	1
Bromoform	ND		1.0		ug/L			06/24/21 13:12	1
Bromomethane	ND		1.0		ug/L			06/24/21 13:12	1
Carbon disulfide	ND		1.0		ug/L			06/24/21 13:12	1
Carbon tetrachloride	ND		1.0		ug/L			06/24/21 13:12	1
Chlorobenzene	ND		1.0		ug/L			06/24/21 13:12	1
Chloroethane	ND		1.0		ug/L			06/24/21 13:12	1
Chloroform	ND		1.0		ug/L			06/24/21 13:12	1
Chloromethane	ND		1.0		ug/L			06/24/21 13:12	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 13:12	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 13:12	1
Cyclohexane	ND		1.0		ug/L			06/24/21 13:12	1
Dibromochloromethane	ND		1.0		ug/L			06/24/21 13:12	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/24/21 13:12	1
Ethylbenzene	ND		1.0		ug/L			06/24/21 13:12	1
Isopropylbenzene	ND		1.0		ug/L			06/24/21 13:12	1
Methyl acetate	ND		2.5		ug/L			06/24/21 13:12	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/24/21 13:12	1
Methylcyclohexane	ND		1.0		ug/L			06/24/21 13:12	1
Methylene Chloride	ND		1.0		ug/L			06/24/21 13:12	1
Styrene	ND		1.0		ug/L			06/24/21 13:12	1
Tetrachloroethene	ND		1.0		ug/L			06/24/21 13:12	1
Toluene	ND		1.0		ug/L			06/24/21 13:12	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 13:12	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 13:12	1
Trichloroethene	**1.8**		1.0		ug/L			06/24/21 13:12	1
Trichlorofluoromethane	ND		1.0		ug/L			06/24/21 13:12	1
Vinyl chloride	ND		1.0		ug/L			06/24/21 13:12	1
Xylenes, Total	ND		2.0		ug/L			06/24/21 13:12	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: TRIP BLANK-20210621
Date Collected: 06/21/21 00:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-8
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/24/21 13:12	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/24/21 13:12	1
Dibromofluoromethane (Surr)	101		75 - 123		06/24/21 13:12	1
Toluene-d8 (Surr)	100		80 - 120		06/24/21 13:12	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: DUP-03-20210621
Date Collected: 06/21/21 00:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-9
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,1,2,2-Tetrachloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,1,2-Trichloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,1-Dichloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,1-Dichloroethene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2,4-Trichlorobenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2-Dibromo-3-Chloropropane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2-Dibromoethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2-Dichlorobenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2-Dichloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,2-Dichloropropane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,3-Dichlorobenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
1,4-Dichlorobenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
2-Hexanone	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Acetone	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Benzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Bromodichloromethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Bromoform	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Bromomethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Carbon disulfide	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Carbon tetrachloride	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Chlorobenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Chloroethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Chloroform	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Chloromethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
cis-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
cis-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Cyclohexane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Dibromochloromethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Dichlorodifluoromethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Ethylbenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Isopropylbenzene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Methyl acetate	ND		14000		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Methyl tert-butyl ether	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Methylcyclohexane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Methylene Chloride	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Styrene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Tetrachloroethene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Toluene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
trans-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
trans-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Trichloroethene	**150000**		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Trichlorofluoromethane	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Vinyl chloride	ND		2800		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25
Xylenes, Total	ND		5600		ug/Kg	☼	06/22/21 16:43	06/24/21 16:17	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: DUP-03-20210621
Date Collected: 06/21/21 00:00
Date Received: 06/22/21 10:30

Lab Sample ID: 480-186358-9
Matrix: Solid
Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/22/21 16:43	06/24/21 16:17	25
4-Bromofluorobenzene (Surr)	98		49 - 148	06/22/21 16:43	06/24/21 16:17	25
Dibromofluoromethane (Surr)	94		60 - 140	06/22/21 16:43	06/24/21 16:17	25
Toluene-d8 (Surr)	92		50 - 149	06/22/21 16:43	06/24/21 16:17	25

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186358-1	D-74 (26)	94	98	99	90
480-186358-2	D-74 (31.4-31.8)	94	100	93	91
480-186358-3	D-75 (26-27)	96	100	95	96
480-186358-4	D-75 (31-31.8)	96	100	94	91
480-186358-4 MS	D-75 (31-31.8)	92	97	94	89
480-186358-4 MSD	D-75 (31-31.8)	89	103	93	93
480-186358-5	D-49 (26-26.5)	95	96	93	91
480-186358-6	D-49 (29.3-29.7)	96	98	97	93
480-186358-9	DUP-03-20210621	99	98	94	92
LCS 480-586484/1-A	Lab Control Sample	94	103	97	92
MB 480-586484/2-A	Method Blank	94	101	90	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-186358-7	EB-03-20210621	99	94	101	99
480-186358-8	TRIP BLANK-20210621	100	94	101	100
LCS 480-586743/5	Lab Control Sample	97	97	100	100
MB 480-586743/7	Method Blank	99	94	100	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586484/2-A
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586484

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,1-Dichloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,1-Dichloroethene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2-Dibromoethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2-Dichloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,2-Dichloropropane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
2-Butanone (MEK)	ND		500		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
2-Hexanone	ND		500		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Acetone	ND		500		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Benzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Bromodichloromethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Bromoform	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Bromomethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Carbon disulfide	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Carbon tetrachloride	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Chlorobenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Chloroethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Chloroform	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Chloromethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Cyclohexane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Dibromochloromethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Ethylbenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Isopropylbenzene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Methyl acetate	ND		500		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Methylcyclohexane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Methylene Chloride	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Styrene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Tetrachloroethene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Toluene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Trichloroethene	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Trichlorofluoromethane	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Vinyl chloride	ND		100		ug/Kg		06/22/21 16:43	06/24/21 11:27	1
Xylenes, Total	ND		200		ug/Kg		06/22/21 16:43	06/24/21 11:27	1

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

Lab Sample ID: MB 480-586484/2-A
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586484

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/22/21 16:43	06/24/21 11:27	1
4-Bromofluorobenzene (Surr)	101		49 - 148	06/22/21 16:43	06/24/21 11:27	1
Dibromofluoromethane (Surr)	90		60 - 140	06/22/21 16:43	06/24/21 11:27	1
Toluene-d8 (Surr)	91		50 - 149	06/22/21 16:43	06/24/21 11:27	1

Lab Sample ID: LCS 480-586484/1-A
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2490		ug/Kg		100	68 - 130
1,1,2,2-Tetrachloroethane	2500	2340		ug/Kg		94	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2590		ug/Kg		103	10 - 179
1,1,2-Trichloroethane	2500	2460		ug/Kg		99	80 - 120
1,1-Dichloroethane	2500	2480		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2520		ug/Kg		101	48 - 133
1,2,4-Trichlorobenzene	2500	2410		ug/Kg		96	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2210		ug/Kg		88	56 - 122
1,2-Dibromoethane	2500	2460		ug/Kg		98	80 - 120
1,2-Dichlorobenzene	2500	2310		ug/Kg		92	78 - 125
1,2-Dichloroethane	2500	2420		ug/Kg		97	74 - 127
1,2-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,3-Dichlorobenzene	2500	2360		ug/Kg		94	80 - 120
1,4-Dichlorobenzene	2500	2320		ug/Kg		93	80 - 120
2-Butanone (MEK)	12500	11900		ug/Kg		95	54 - 149
2-Hexanone	12500	10900		ug/Kg		88	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11000		ug/Kg		88	74 - 120
Acetone	12500	12300		ug/Kg		98	47 - 141
Benzene	2500	2500		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2460		ug/Kg		98	71 - 121
Bromoform	2500	2220		ug/Kg		89	48 - 125
Bromomethane	2500	2020		ug/Kg		81	39 - 149
Carbon disulfide	2500	2430		ug/Kg		97	40 - 136
Carbon tetrachloride	2500	2420		ug/Kg		97	54 - 135
Chlorobenzene	2500	2480		ug/Kg		99	76 - 126
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2400		ug/Kg		96	78 - 120
Chloromethane	2500	2330		ug/Kg		93	61 - 124
cis-1,2-Dichloroethene	2500	2450		ug/Kg		98	79 - 124
cis-1,3-Dichloropropene	2500	2710		ug/Kg		108	75 - 121
Cyclohexane	2500	2570		ug/Kg		103	49 - 129
Dibromochloromethane	2500	2370		ug/Kg		95	64 - 120
Dichlorodifluoromethane	2500	1950		ug/Kg		78	10 - 150
Ethylbenzene	2500	2520		ug/Kg		101	78 - 124
Isopropylbenzene	2500	2680		ug/Kg		107	76 - 120
Methyl acetate	5000	4550		ug/Kg		91	71 - 123
Methyl tert-butyl ether	2500	2460		ug/Kg		99	67 - 137
Methylcyclohexane	2500	2600		ug/Kg		104	50 - 130

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

Lab Sample ID: LCS 480-586484/1-A
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2650		ug/Kg		106	75 - 118
Styrene	2500	2520		ug/Kg		101	80 - 120
Tetrachloroethene	2500	2310		ug/Kg		92	73 - 133
Toluene	2500	2590		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2480		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	2540		ug/Kg		102	73 - 120
Trichloroethene	2500	2510		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2220		ug/Kg		89	29 - 158
Vinyl chloride	2500	2620		ug/Kg		105	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

Lab Sample ID: 480-186358-4 MS
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: D-75 (31-31.8)
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2770	ND		ug/Kg	☼	98	64 - 142
1,1,2,2-Tetrachloroethane	ND		2770	3520		ug/Kg	☼	127	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2770	3730		ug/Kg	☼	135	64 - 154
1,1,2-Trichloroethane	ND		2770	ND		ug/Kg	☼	101	63 - 133
1,1-Dichloroethane	ND		2770	3190		ug/Kg	☼	115	64 - 135
1,1-Dichloroethene	ND		2770	3280		ug/Kg	☼	118	62 - 145
1,2,4-Trichlorobenzene	ND		2770	2930		ug/Kg	☼	106	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F1	2770	3110		ug/Kg	☼	112	40 - 122
1,2-Dibromoethane	ND		2770	ND		ug/Kg	☼	101	65 - 133
1,2-Dichlorobenzene	ND		2770	2920		ug/Kg	☼	106	68 - 133
1,2-Dichloroethane	ND		2770	3360		ug/Kg	☼	121	62 - 135
1,2-Dichloropropane	ND		2770	3000		ug/Kg	☼	108	67 - 139
1,3-Dichlorobenzene	ND		2770	3130		ug/Kg	☼	113	68 - 136
1,4-Dichlorobenzene	ND		2770	ND		ug/Kg	☼	94	69 - 136
2-Butanone (MEK)	ND		13900	ND		ug/Kg	☼	104	46 - 132
2-Hexanone	ND		13900	ND		ug/Kg	☼	105	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		13900	ND		ug/Kg	☼	106	49 - 125
Acetone	ND		13900	16400		ug/Kg	☼	118	32 - 136
Benzene	ND		2770	3200		ug/Kg	☼	115	68 - 137
Bromodichloromethane	ND		2770	ND		ug/Kg	☼	101	62 - 136
Bromoform	ND		2770	ND		ug/Kg	☼	90	43 - 134
Bromomethane	ND	F1	2770	4720	F1	ug/Kg	☼	170	38 - 137
Carbon disulfide	ND		2770	3120		ug/Kg	☼	113	52 - 139
Carbon tetrachloride	ND		2770	2980		ug/Kg	☼	107	60 - 150
Chlorobenzene	ND		2770	3190		ug/Kg	☼	115	67 - 136
Chloroethane	ND	F1 F2	2770	5550	F1	ug/Kg	☼	200	34 - 140
Chloroform	ND		2770	3150		ug/Kg	☼	114	64 - 133

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

Lab Sample ID: 480-186358-4 MS
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: D-75 (31-31.8)
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2770	3970		ug/Kg	☼	143	47 - 143
cis-1,2-Dichloroethene	ND		2770	4420		ug/Kg	☼	112	65 - 137
cis-1,3-Dichloropropene	ND		2770	ND		ug/Kg	☼	103	61 - 148
Cyclohexane	ND		2770	3180		ug/Kg	☼	115	63 - 149
Dibromochloromethane	ND		2770	ND		ug/Kg	☼	88	57 - 137
Dichlorodifluoromethane	ND		2770	ND		ug/Kg	☼	91	26 - 150
Ethylbenzene	ND		2770	3170		ug/Kg	☼	114	67 - 136
Isopropylbenzene	ND		2770	3330		ug/Kg	☼	120	65 - 147
Methyl acetate	ND		5540	ND		ug/Kg	☼	120	50 - 124
Methyl tert-butyl ether	ND		2770	3210		ug/Kg	☼	116	60 - 130
Methylcyclohexane	ND		2770	3050		ug/Kg	☼	110	67 - 150
Methylene Chloride	ND		2770	ND		ug/Kg	☼	99	63 - 138
Styrene	ND		2770	3100		ug/Kg	☼	112	68 - 137
Tetrachloroethene	ND		2770	2950		ug/Kg	☼	106	67 - 150
Toluene	ND		2770	3350		ug/Kg	☼	121	68 - 137
trans-1,2-Dichloroethene	ND		2770	2910		ug/Kg	☼	105	65 - 138
trans-1,3-Dichloropropene	ND		2770	ND		ug/Kg	☼	90	58 - 143
Trichloroethene	130000		2770	130000	4	ug/Kg	☼	-62	69 - 143
Trichlorofluoromethane	ND	F1 F2	2770	4670	F1	ug/Kg	☼	169	35 - 150
Vinyl chloride	ND	F1	2770	4350	F1	ug/Kg	☼	157	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*89*		*50 - 149*

Lab Sample ID: 480-186358-4 MSD
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: D-75 (31-31.8)
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2760	ND		ug/Kg	☼	87	64 - 142	11	20
1,1,2,2-Tetrachloroethane	ND		2760	3470		ug/Kg	☼	126	56 - 128	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2760	3090		ug/Kg	☼	112	64 - 154	19	20
1,1,2-Trichloroethane	ND		2760	ND		ug/Kg	☼	96	63 - 133	5	20
1,1-Dichloroethane	ND		2760	ND		ug/Kg	☼	103	64 - 135	12	20
1,1-Dichloroethene	ND		2760	3250		ug/Kg	☼	117	62 - 145	1	20
1,2,4-Trichlorobenzene	ND		2760	3000		ug/Kg	☼	108	56 - 145	2	20
1,2-Dibromo-3-Chloropropane	ND	F1	2760	3390	F1	ug/Kg	☼	123	40 - 122	9	20
1,2-Dibromoethane	ND		2760	3240		ug/Kg	☼	117	65 - 133	15	20
1,2-Dichlorobenzene	ND		2760	3040		ug/Kg	☼	110	68 - 133	4	20
1,2-Dichloroethane	ND		2760	3060		ug/Kg	☼	111	62 - 135	10	20
1,2-Dichloropropane	ND		2760	ND		ug/Kg	☼	104	67 - 139	5	20
1,3-Dichlorobenzene	ND		2760	ND		ug/Kg	☼	103	68 - 136	9	20
1,4-Dichlorobenzene	ND		2760	ND		ug/Kg	☼	97	69 - 136	3	20
2-Butanone (MEK)	ND		13800	ND		ug/Kg	☼	101	46 - 132	3	20
2-Hexanone	ND		13800	ND		ug/Kg	☼	107	44 - 130	2	20

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

Lab Sample ID: 480-186358-4 MSD
Matrix: Solid
Analysis Batch: 586747

Client Sample ID: D-75 (31-31.8)
Prep Type: Total/NA
Prep Batch: 586484

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		13800	ND		ug/Kg	☼	104	49 - 125	2	20
Acetone	ND		13800	15700		ug/Kg	☼	114	32 - 136	4	20
Benzene	ND		2760	3000		ug/Kg	☼	109	68 - 137	6	20
Bromodichloromethane	ND		2760	ND		ug/Kg	☼	103	62 - 136	1	20
Bromoform	ND		2760	ND		ug/Kg	☼	88	43 - 134	2	20
Bromomethane	ND	F1	2760	4940	F1	ug/Kg	☼	179	38 - 137	5	20
Carbon disulfide	ND		2760	ND		ug/Kg	☼	99	52 - 139	13	20
Carbon tetrachloride	ND		2760	ND		ug/Kg	☼	96	60 - 150	12	20
Chlorobenzene	ND		2760	3120		ug/Kg	☼	113	67 - 136	2	20
Chloroethane	ND	F1 F2	2760	4510	F1 F2	ug/Kg	☼	163	34 - 140	21	20
Chloroform	ND		2760	2970		ug/Kg	☼	107	64 - 133	6	20
Chloromethane	ND		2760	3480		ug/Kg	☼	126	47 - 143	13	20
cis-1,2-Dichloroethene	ND		2760	4180		ug/Kg	☼	104	65 - 137	6	20
cis-1,3-Dichloropropene	ND		2760	ND		ug/Kg	☼	97	61 - 148	6	20
Cyclohexane	ND		2760	2980		ug/Kg	☼	108	63 - 149	6	20
Dibromochloromethane	ND		2760	ND		ug/Kg	☼	78	57 - 137	13	20
Dichlorodifluoromethane	ND		2760	3100		ug/Kg	☼	112	26 - 150	20	20
Ethylbenzene	ND		2760	2970		ug/Kg	☼	107	67 - 136	6	20
Isopropylbenzene	ND		2760	2930		ug/Kg	☼	106	65 - 147	13	20
Methyl acetate	ND		5530	ND		ug/Kg	☼	98	50 - 124	20	20
Methyl tert-butyl ether	ND		2760	3140		ug/Kg	☼	113	60 - 130	2	20
Methylcyclohexane	ND		2760	3050		ug/Kg	☼	110	67 - 150	0	20
Methylene Chloride	ND		2760	3310		ug/Kg	☼	120	63 - 138	18	20
Styrene	ND		2760	ND		ug/Kg	☼	104	68 - 137	8	20
Tetrachloroethene	ND		2760	ND		ug/Kg	☼	95	67 - 150	12	20
Toluene	ND		2760	3230		ug/Kg	☼	117	68 - 137	4	20
trans-1,2-Dichloroethene	ND		2760	3100		ug/Kg	☼	112	65 - 138	6	20
trans-1,3-Dichloropropene	ND		2760	ND		ug/Kg	☼	94	58 - 143	3	20
Trichloroethene	130000		2760	120000	4	ug/Kg	☼	-423	69 - 143	8	20
Trichlorofluoromethane	ND	F1 F2	2760	3590	F2	ug/Kg	☼	130	35 - 150	26	20
Vinyl chloride	ND	F1	2760	4130		ug/Kg	☼	149	56 - 150	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: MB 480-586743/7
Matrix: Water
Analysis Batch: 586743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/24/21 11:05	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/24/21 11:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/24/21 11:05	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/24/21 11:05	1
1,1-Dichloroethane	ND		1.0		ug/L			06/24/21 11:05	1

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

Lab Sample ID: MB 480-586743/7
Matrix: Water
Analysis Batch: 586743

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0		ug/L			06/24/21 11:05	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/24/21 11:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/24/21 11:05	1
1,2-Dibromoethane	ND		1.0		ug/L			06/24/21 11:05	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/24/21 11:05	1
1,2-Dichloroethane	ND		1.0		ug/L			06/24/21 11:05	1
1,2-Dichloropropane	ND		1.0		ug/L			06/24/21 11:05	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/24/21 11:05	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/24/21 11:05	1
2-Butanone (MEK)	ND		10		ug/L			06/24/21 11:05	1
2-Hexanone	ND		5.0		ug/L			06/24/21 11:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/24/21 11:05	1
Acetone	ND		10		ug/L			06/24/21 11:05	1
Benzene	ND		1.0		ug/L			06/24/21 11:05	1
Bromodichloromethane	ND		1.0		ug/L			06/24/21 11:05	1
Bromoform	ND		1.0		ug/L			06/24/21 11:05	1
Bromomethane	ND		1.0		ug/L			06/24/21 11:05	1
Carbon disulfide	ND		1.0		ug/L			06/24/21 11:05	1
Carbon tetrachloride	ND		1.0		ug/L			06/24/21 11:05	1
Chlorobenzene	ND		1.0		ug/L			06/24/21 11:05	1
Chloroethane	ND		1.0		ug/L			06/24/21 11:05	1
Chloroform	ND		1.0		ug/L			06/24/21 11:05	1
Chloromethane	ND		1.0		ug/L			06/24/21 11:05	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 11:05	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 11:05	1
Cyclohexane	ND		1.0		ug/L			06/24/21 11:05	1
Dibromochloromethane	ND		1.0		ug/L			06/24/21 11:05	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/24/21 11:05	1
Ethylbenzene	ND		1.0		ug/L			06/24/21 11:05	1
Isopropylbenzene	ND		1.0		ug/L			06/24/21 11:05	1
Methyl acetate	ND		2.5		ug/L			06/24/21 11:05	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/24/21 11:05	1
Methylcyclohexane	ND		1.0		ug/L			06/24/21 11:05	1
Methylene Chloride	ND		1.0		ug/L			06/24/21 11:05	1
Styrene	ND		1.0		ug/L			06/24/21 11:05	1
Tetrachloroethene	ND		1.0		ug/L			06/24/21 11:05	1
Toluene	ND		1.0		ug/L			06/24/21 11:05	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/24/21 11:05	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/24/21 11:05	1
Trichloroethene	ND		1.0		ug/L			06/24/21 11:05	1
Trichlorofluoromethane	ND		1.0		ug/L			06/24/21 11:05	1
Vinyl chloride	ND		1.0		ug/L			06/24/21 11:05	1
Xylenes, Total	ND		2.0		ug/L			06/24/21 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*06/24/21 11:05*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*06/24/21 11:05*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*06/24/21 11:05*	*1*

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

Lab Sample ID: MB 480-586743/7
Matrix: Water
Analysis Batch: 586743

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		80 - 120		06/24/21 11:05	1

Lab Sample ID: LCS 480-586743/5
Matrix: Water
Analysis Batch: 586743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.7		ug/L		115	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.1		ug/L		93	61 - 148
1,1,2-Trichloroethane	25.0	24.3		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	25.6		ug/L		102	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2,4-Trichlorobenzene	25.0	23.3		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	20.9		ug/L		84	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		96	77 - 120
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		102	76 - 120
1,3-Dichlorobenzene	25.0	24.6		ug/L		99	77 - 120
1,4-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 120
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
2-Hexanone	125	118		ug/L		94	65 - 127
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		95	71 - 125
Acetone	125	128		ug/L		103	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	22.7		ug/L		91	55 - 144
Carbon disulfide	25.0	25.7		ug/L		103	59 - 134
Carbon tetrachloride	25.0	27.5		ug/L		110	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Chloroethane	25.0	26.4		ug/L		105	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Cyclohexane	25.0	29.3		ug/L		117	59 - 135
Dibromochloromethane	25.0	24.1		ug/L		97	75 - 125
Dichlorodifluoromethane	25.0	20.5		ug/L		82	59 - 135
Ethylbenzene	25.0	24.7		ug/L		99	77 - 123
Isopropylbenzene	25.0	24.5		ug/L		98	77 - 122
Methyl acetate	50.0	46.5		ug/L		93	74 - 133
Methyl tert-butyl ether	25.0	29.0		ug/L		116	77 - 120
Methylcyclohexane	25.0	28.5		ug/L		114	68 - 134
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	24.3		ug/L		97	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122

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

Lab Sample ID: LCS 480-586743/5
Matrix: Water
Analysis Batch: 586743

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	27.7		ug/L		111	73 - 127
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	80 - 120
Trichloroethene	25.0	24.5		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	24.7		ug/L		99	62 - 150
Vinyl chloride	25.0	24.9		ug/L		99	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*100*		*80 - 120*

GC/MS VOA

Prep Batch: 586484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186358-1	D-74 (26)	Total/NA	Solid	5035A_H	
480-186358-2	D-74 (31.4-31.8)	Total/NA	Solid	5035A_H	
480-186358-3	D-75 (26-27)	Total/NA	Solid	5035A_H	
480-186358-4	D-75 (31-31.8)	Total/NA	Solid	5035A_H	
480-186358-5	D-49 (26-26.5)	Total/NA	Solid	5035A_H	
480-186358-6	D-49 (29.3-29.7)	Total/NA	Solid	5035A_H	
480-186358-9	DUP-03-20210621	Total/NA	Solid	5035A_H	
MB 480-586484/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586484/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186358-4 MS	D-75 (31-31.8)	Total/NA	Solid	5035A_H	
480-186358-4 MSD	D-75 (31-31.8)	Total/NA	Solid	5035A_H	

Analysis Batch: 586743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186358-7	EB-03-20210621	Total/NA	Water	8260C	
480-186358-8	TRIP BLANK-20210621	Total/NA	Water	8260C	
MB 480-586743/7	Method Blank	Total/NA	Water	8260C	
LCS 480-586743/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 586747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186358-1	D-74 (26)	Total/NA	Solid	8260C	586484
480-186358-2	D-74 (31.4-31.8)	Total/NA	Solid	8260C	586484
480-186358-3	D-75 (26-27)	Total/NA	Solid	8260C	586484
480-186358-4	D-75 (31-31.8)	Total/NA	Solid	8260C	586484
480-186358-5	D-49 (26-26.5)	Total/NA	Solid	8260C	586484
480-186358-6	D-49 (29.3-29.7)	Total/NA	Solid	8260C	586484
480-186358-9	DUP-03-20210621	Total/NA	Solid	8260C	586484
MB 480-586484/2-A	Method Blank	Total/NA	Solid	8260C	586484
LCS 480-586484/1-A	Lab Control Sample	Total/NA	Solid	8260C	586484
480-186358-4 MS	D-75 (31-31.8)	Total/NA	Solid	8260C	586484
480-186358-4 MSD	D-75 (31-31.8)	Total/NA	Solid	8260C	586484

General Chemistry

Analysis Batch: 586473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186358-1	D-74 (26)	Total/NA	Solid	Moisture	
480-186358-2	D-74 (31.4-31.8)	Total/NA	Solid	Moisture	
480-186358-3	D-75 (26-27)	Total/NA	Solid	Moisture	
480-186358-4	D-75 (31-31.8)	Total/NA	Solid	Moisture	
480-186358-5	D-49 (26-26.5)	Total/NA	Solid	Moisture	
480-186358-6	D-49 (29.3-29.7)	Total/NA	Solid	Moisture	
480-186358-9	DUP-03-20210621	Total/NA	Solid	Moisture	
480-186358-4 MS	D-75 (31-31.8)	Total/NA	Solid	Moisture	
480-186358-4 MSD	D-75 (31-31.8)	Total/NA	Solid	Moisture	

Client Sample ID: D-74 (26) — **Lab Sample ID: 480-186358-1**
Date Collected: 06/21/21 09:35 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-74 (26) — **Lab Sample ID: 480-186358-1**
Date Collected: 06/21/21 09:35 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 89.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		40	586747	06/24/21 14:00	WJD	TAL BUF

Client Sample ID: D-74 (31.4-31.8) — **Lab Sample ID: 480-186358-2**
Date Collected: 06/21/21 10:00 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-74 (31.4-31.8) — **Lab Sample ID: 480-186358-2**
Date Collected: 06/21/21 10:00 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 83.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		100	586747	06/24/21 14:23	WJD	TAL BUF

Client Sample ID: D-75 (26-27) — **Lab Sample ID: 480-186358-3**
Date Collected: 06/21/21 13:10 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-75 (26-27) — **Lab Sample ID: 480-186358-3**
Date Collected: 06/21/21 13:10 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 90.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		25	586747	06/24/21 14:46	WJD	TAL BUF

Client Sample ID: D-75 (31-31.8) — **Lab Sample ID: 480-186358-4**
Date Collected: 06/21/21 14:50 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-75 (31-31.8) — **Lab Sample ID: 480-186358-4**
Date Collected: 06/21/21 14:50 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 89.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		25	586747	06/24/21 15:09	WJD	TAL BUF

Client Sample ID: D-49 (26-26.5) — **Lab Sample ID: 480-186358-5**
Date Collected: 06/21/21 14:20 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-49 (26-26.5) — **Lab Sample ID: 480-186358-5**
Date Collected: 06/21/21 14:20 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 88.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		20	586747	06/24/21 15:32	WJD	TAL BUF

Client Sample ID: D-49 (29.3-29.7) — **Lab Sample ID: 480-186358-6**
Date Collected: 06/21/21 14:55 — **Matrix: Solid**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: D-49 (29.3-29.7) — **Lab Sample ID: 480-186358-6**
Date Collected: 06/21/21 14:55 — **Matrix: Solid**
Date Received: 06/22/21 10:30 — **Percent Solids: 84.9**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		25	586747	06/24/21 15:54	WJD	TAL BUF

Client Sample ID: EB-03-20210621 — **Lab Sample ID: 480-186358-7**
Date Collected: 06/21/21 15:30 — **Matrix: Water**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	586743	06/24/21 12:50	CRL	TAL BUF

Client Sample ID: TRIP BLANK-20210621 — **Lab Sample ID: 480-186358-8**
Date Collected: 06/21/21 00:00 — **Matrix: Water**
Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	586743	06/24/21 13:12	CRL	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Client Sample ID: DUP-03-20210621

Lab Sample ID: 480-186358-9

Date Collected: 06/21/21 00:00

Matrix: Solid

Date Received: 06/22/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586473	06/22/21 16:06	JMM	TAL BUF

Client Sample ID: DUP-03-20210621

Lab Sample ID: 480-186358-9

Date Collected: 06/21/21 00:00

Matrix: Solid

Date Received: 06/22/21 10:30

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586484	06/22/21 16:43	WJD	TAL BUF
Total/NA	Analysis	8260C		25	586747	06/24/21 16:17	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186358-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186358-1	D-74 (26)	Solid	06/21/21 09:35	06/22/21 10:30	
480-186358-2	D-74 (31.4-31.8)	Solid	06/21/21 10:00	06/22/21 10:30	
480-186358-3	D-75 (26-27)	Solid	06/21/21 13:10	06/22/21 10:30	
480-186358-4	D-75 (31-31.8)	Solid	06/21/21 14:50	06/22/21 10:30	
480-186358-5	D-49 (26-26.5)	Solid	06/21/21 14:20	06/22/21 10:30	
480-186358-6	D-49 (29.3-29.7)	Solid	06/21/21 14:55	06/22/21 10:30	
480-186358-7	EB-03-20210621	Water	06/21/21 15:30	06/22/21 10:30	
480-186358-8	TRIP BLANK-20210621	Water	06/21/21 00:00	06/22/21 10:30	
480-186358-9	DUP-03-20210621	Solid	06/21/21 00:00	06/22/21 10:30	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-186358 Chain of Custody

Analysis Requested

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
K - EDTA
L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of container	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-74 (26)	6/21/21	0935	G	Solid			X			1	
D-74 (31.4-31.8)	6/21/21	1000	G	Solid			X			1	
D-75 (26-27)	6/21/21	1310	G	Solid			X			1	
D-75 (31-31.8)	6/21/21	1450	G	Solid			X			1	
D-75 (31-31.8) (MS/MSD)	6/21/21	1450	G	Solid			X			2	
D-49 (26-26.5)	6/21/21	1420	G	Solid			X			1	
D-49 (29.3-29.7)	6/21/21	1455	G	Solid			X			1	
EB-03-20210621	6/21/21	1530	G	Water					X	3	
TRIP BLANK-20210621	6/8/21	—	G	Water					X	1	
DUP-03-20210621	6/21/21	—	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	6/21/21 1745	Arcadis		6/22/21 1030	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 01/16/2019

6/30/2021

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186358-1

Login Number: 186358

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	3.1 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186416-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
6/30/2021 11:48:25 AM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

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

Job ID: 480-186416-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186416-1

Comments
No additional comments.

Receipt
The samples were received on 6/23/2021 10:00 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 2.7º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-54 (22-22.3) (480-186416-1), D-54 (33.0-33.6) (480-186416-2), D-76 (20.3-20.7) (480-186416-3), D-76 (25.5-25.8) (480-186416-4), D-76 (28.6-29.2) (480-186416-5), D-63 (14.3-14.7) (480-186416-6), D-63 (25.6-27.2) (480-186416-7), D-63 (24.3-24.8) (480-186416-8), D-63 (21.2-21.5) (480-186416-9), D-63 (17.2-17.5) (480-186416-10), (480-186416-A-10-B MS) and (480-186416-A-10-C MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike (MS) recoveries for preparation batch 480-586722 and analytical batch 480-586961 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The associated samples are: (480-186416-A-10-B MS) and (480-186416-A-10-C MSD).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-54 (22-22.3) — Lab Sample ID: 480-186416-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	700		460		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	24000		460		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-54 (33.0-33.6) — Lab Sample ID: 480-186416-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	12000		250		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-76 (20.3-20.7) — Lab Sample ID: 480-186416-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	2600		450		ug/Kg	4	☼	8260C	Total/NA
Methylcyclohexane	1000		450		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	24000		450		ug/Kg	4	☼	8260C	Total/NA
Xylenes, Total	1100		900		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-76 (25.5-25.8) — Lab Sample ID: 480-186416-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1400		450		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	28000		450		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-76 (28.6-29.2) — Lab Sample ID: 480-186416-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	90000		2200		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-63 (14.3-14.7) — Lab Sample ID: 480-186416-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12000		5700		ug/Kg	50	☼	8260C	Total/NA
Toluene	13000		5700		ug/Kg	50	☼	8260C	Total/NA
Trichloroethene	260000		5700		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-63 (25.6-27.2) — Lab Sample ID: 480-186416-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	150000		2800		ug/Kg	25	☼	8260C	Total/NA

Client Sample ID: D-63 (24.3-24.8) — Lab Sample ID: 480-186416-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	160000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-63 (21.2-21.5) — Lab Sample ID: 480-186416-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	130000		2300		ug/Kg	20	☼	8260C	Total/NA

Client Sample ID: D-63 (17.2-17.5) — Lab Sample ID: 480-186416-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	110000		2200		ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-54 (22-22.3)
Date Collected: 06/22/21 10:20
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-1
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
2-Hexanone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Acetone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Benzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Bromodichloromethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Bromoform	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Bromomethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Carbon disulfide	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Carbon tetrachloride	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Chlorobenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Chloroethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Chloroform	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Chloromethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
cis-1,2-Dichloroethene	**700**		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Cyclohexane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Dibromochloromethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Ethylbenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Isopropylbenzene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Methyl acetate	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Methylcyclohexane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Methylene Chloride	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Styrene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Tetrachloroethene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Toluene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Trichloroethene	**24000**		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Vinyl chloride	ND		460		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4
Xylenes, Total	ND		930		ug/Kg	☼	06/23/21 22:45	06/25/21 16:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-54 (22-22.3)
Date Collected: 06/22/21 10:20
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-1
Matrix: Solid
Percent Solids: 90.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/23/21 22:45	06/25/21 16:06	4
4-Bromofluorobenzene (Surr)	99		49 - 148	06/23/21 22:45	06/25/21 16:06	4
Dibromofluoromethane (Surr)	95		60 - 140	06/23/21 22:45	06/25/21 16:06	4
Toluene-d8 (Surr)	90		50 - 149	06/23/21 22:45	06/25/21 16:06	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-54 (33.0-33.6)
Date Collected: 06/22/21 09:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-2
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,1,2,2-Tetrachloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,1,2-Trichloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,1-Dichloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,1-Dichloroethene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2,4-Trichlorobenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2-Dibromo-3-Chloropropane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2-Dibromoethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2-Dichlorobenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2-Dichloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,2-Dichloropropane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,3-Dichlorobenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
1,4-Dichlorobenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
2-Butanone (MEK)	ND		1200		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
2-Hexanone	ND		1200		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
4-Methyl-2-pentanone (MIBK)	ND		1200		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Acetone	ND		1200		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Benzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Bromodichloromethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Bromoform	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Bromomethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Carbon disulfide	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Carbon tetrachloride	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Chlorobenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Chloroethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Chloroform	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Chloromethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
cis-1,2-Dichloroethene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
cis-1,3-Dichloropropene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Cyclohexane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Dibromochloromethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Dichlorodifluoromethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Ethylbenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Isopropylbenzene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Methyl acetate	ND		1200		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Methyl tert-butyl ether	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Methylcyclohexane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Methylene Chloride	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Styrene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Tetrachloroethene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Toluene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
trans-1,2-Dichloroethene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
trans-1,3-Dichloropropene	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Trichloroethene	**12000**		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Trichlorofluoromethane	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Vinyl chloride	ND		250		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2
Xylenes, Total	ND		490		ug/Kg	☼	06/23/21 22:45	06/25/21 16:30	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-54 (33.0-33.6)
Date Collected: 06/22/21 09:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-2
Matrix: Solid
Percent Solids: 86.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/23/21 22:45	06/25/21 16:30	2
4-Bromofluorobenzene (Surr)	98		49 - 148	06/23/21 22:45	06/25/21 16:30	2
Dibromofluoromethane (Surr)	94		60 - 140	06/23/21 22:45	06/25/21 16:30	2
Toluene-d8 (Surr)	91		50 - 149	06/23/21 22:45	06/25/21 16:30	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (20.3-20.7)
Date Collected: 06/22/21 11:25
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-3
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,1,2,2-Tetrachloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,1,2-Trichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,1-Dichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,1-Dichloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2,4-Trichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2-Dibromoethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2-Dichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,2-Dichloropropane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,3-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
1,4-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
2-Hexanone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Acetone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Benzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Bromodichloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Bromoform	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Bromomethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Carbon disulfide	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Carbon tetrachloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Chlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Chloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Chloroform	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Chloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
cis-1,2-Dichloroethene	**2600**		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
cis-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Cyclohexane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Dibromochloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Dichlorodifluoromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Ethylbenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Isopropylbenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Methyl acetate	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Methyl tert-butyl ether	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Methylcyclohexane	**1000**		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Methylene Chloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Styrene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Tetrachloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Toluene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
trans-1,2-Dichloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
trans-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Trichloroethene	**24000**		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Trichlorofluoromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Vinyl chloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4
Xylenes, Total	**1100**		900		ug/Kg	☼	06/23/21 22:45	06/25/21 16:53	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (20.3-20.7)
Date Collected: 06/22/21 11:25
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-3
Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/23/21 22:45	06/25/21 16:53	4
4-Bromofluorobenzene (Surr)	95		49 - 148	06/23/21 22:45	06/25/21 16:53	4
Dibromofluoromethane (Surr)	93		60 - 140	06/23/21 22:45	06/25/21 16:53	4
Toluene-d8 (Surr)	91		50 - 149	06/23/21 22:45	06/25/21 16:53	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (25.5-25.8)
Date Collected: 06/22/21 13:40
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-4
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,1,2,2-Tetrachloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,1,2-Trichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,1-Dichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,1-Dichloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2,4-Trichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2-Dibromoethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2-Dichloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,2-Dichloropropane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,3-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
1,4-Dichlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
2-Hexanone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Acetone	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Benzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Bromodichloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Bromoform	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Bromomethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Carbon disulfide	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Carbon tetrachloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Chlorobenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Chloroethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Chloroform	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Chloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
cis-1,2-Dichloroethene	**1400**		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
cis-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Cyclohexane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Dibromochloromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Dichlorodifluoromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Ethylbenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Isopropylbenzene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Methyl acetate	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Methyl tert-butyl ether	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Methylcyclohexane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Methylene Chloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Styrene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Tetrachloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Toluene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
trans-1,2-Dichloroethene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
trans-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Trichloroethene	**28000**		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Trichlorofluoromethane	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Vinyl chloride	ND		450		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4
Xylenes, Total	ND		910		ug/Kg	☼	06/23/21 22:45	06/25/21 17:16	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (25.5-25.8)
Date Collected: 06/22/21 13:40
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-4
Matrix: Solid
Percent Solids: 90.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/23/21 22:45	06/25/21 17:16	4
4-Bromofluorobenzene (Surr)	99		49 - 148	06/23/21 22:45	06/25/21 17:16	4
Dibromofluoromethane (Surr)	90		60 - 140	06/23/21 22:45	06/25/21 17:16	4
Toluene-d8 (Surr)	89		50 - 149	06/23/21 22:45	06/25/21 17:16	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (28.6-29.2)
Date Collected: 06/22/21 11:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-5
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,1,2,2-Tetrachloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,1,2-Trichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,1-Dichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,1-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2,4-Trichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2-Dibromo-3-Chloropropane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2-Dibromoethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2-Dichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,2-Dichloropropane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,3-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
1,4-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
2-Hexanone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Acetone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Benzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Bromodichloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Bromoform	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Bromomethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Carbon disulfide	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Carbon tetrachloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Chlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Chloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Chloroform	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Chloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
cis-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
cis-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Cyclohexane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Dibromochloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Dichlorodifluoromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Ethylbenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Isopropylbenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Methyl acetate	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Methyl tert-butyl ether	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Methylcyclohexane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Methylene Chloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Styrene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Tetrachloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Toluene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
trans-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
trans-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Trichloroethene	**90000**		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Trichlorofluoromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Vinyl chloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20
Xylenes, Total	ND		4400		ug/Kg	☼	06/23/21 22:45	06/25/21 17:39	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (28.6-29.2)
Date Collected: 06/22/21 11:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-5
Matrix: Solid
Percent Solids: 91.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/23/21 22:45	06/25/21 17:39	20
4-Bromofluorobenzene (Surr)	93		49 - 148	06/23/21 22:45	06/25/21 17:39	20
Dibromofluoromethane (Surr)	91		60 - 140	06/23/21 22:45	06/25/21 17:39	20
Toluene-d8 (Surr)	87		50 - 149	06/23/21 22:45	06/25/21 17:39	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (14.3-14.7)
Date Collected: 06/22/21 13:40
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-6
Matrix: Solid
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,1,2,2-Tetrachloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,1,2-Trichloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,1-Dichloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,1-Dichloroethene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2,4-Trichlorobenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2-Dibromo-3-Chloropropane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2-Dibromoethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2-Dichlorobenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2-Dichloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,2-Dichloropropane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,3-Dichlorobenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
1,4-Dichlorobenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
2-Butanone (MEK)	ND		29000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
2-Hexanone	ND		29000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
4-Methyl-2-pentanone (MIBK)	ND		29000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Acetone	ND		29000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Benzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Bromodichloromethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Bromoform	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Bromomethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Carbon disulfide	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Carbon tetrachloride	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Chlorobenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Chloroethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Chloroform	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Chloromethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
cis-1,2-Dichloroethene	**12000**		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
cis-1,3-Dichloropropene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Cyclohexane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Dibromochloromethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Dichlorodifluoromethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Ethylbenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Isopropylbenzene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Methyl acetate	ND		29000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Methyl tert-butyl ether	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Methylcyclohexane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Methylene Chloride	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Styrene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Tetrachloroethene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Toluene	**13000**		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
trans-1,2-Dichloroethene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
trans-1,3-Dichloropropene	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Trichloroethene	**260000**		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Trichlorofluoromethane	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Vinyl chloride	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50
Xylenes, Total	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:02	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (14.3-14.7)
Date Collected: 06/22/21 13:40
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-6
Matrix: Solid
Percent Solids: 90.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/23/21 22:45	06/25/21 18:02	50
4-Bromofluorobenzene (Surr)	96		49 - 148	06/23/21 22:45	06/25/21 18:02	50
Dibromofluoromethane (Surr)	94		60 - 140	06/23/21 22:45	06/25/21 18:02	50
Toluene-d8 (Surr)	89		50 - 149	06/23/21 22:45	06/25/21 18:02	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (25.6-27.2)
Date Collected: 06/22/21 14:45
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-7
Matrix: Solid
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,1,2,2-Tetrachloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,1,2-Trichloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,1-Dichloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,1-Dichloroethene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2,4-Trichlorobenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2-Dibromo-3-Chloropropane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2-Dibromoethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2-Dichlorobenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2-Dichloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,2-Dichloropropane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,3-Dichlorobenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
1,4-Dichlorobenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
2-Hexanone	ND		14000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Acetone	ND		14000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Benzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Bromodichloromethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Bromoform	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Bromomethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Carbon disulfide	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Carbon tetrachloride	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Chlorobenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Chloroethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Chloroform	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Chloromethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
cis-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
cis-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Cyclohexane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Dibromochloromethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Dichlorodifluoromethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Ethylbenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Isopropylbenzene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Methyl acetate	ND		14000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Methyl tert-butyl ether	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Methylcyclohexane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Methylene Chloride	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Styrene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Tetrachloroethene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Toluene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
trans-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
trans-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Trichloroethene	**150000**		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Trichlorofluoromethane	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Vinyl chloride	ND		2800		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25
Xylenes, Total	ND		5700		ug/Kg	☼	06/23/21 22:45	06/25/21 18:25	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (25.6-27.2)
Date Collected: 06/22/21 14:45
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-7
Matrix: Solid
Percent Solids: 91.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		53 - 146	06/23/21 22:45	06/25/21 18:25	25
4-Bromofluorobenzene (Surr)	101		49 - 148	06/23/21 22:45	06/25/21 18:25	25
Dibromofluoromethane (Surr)	95		60 - 140	06/23/21 22:45	06/25/21 18:25	25
Toluene-d8 (Surr)	90		50 - 149	06/23/21 22:45	06/25/21 18:25	25

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (24.3-24.8)
Date Collected: 06/22/21 16:30
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-8
Matrix: Solid
Percent Solids: 90.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
2-Hexanone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Acetone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Benzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Bromodichloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Bromoform	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Bromomethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Carbon disulfide	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Chlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Chloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Chloroform	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Chloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Cyclohexane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Dibromochloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Ethylbenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Isopropylbenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Methyl acetate	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Methylcyclohexane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Methylene Chloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Styrene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Tetrachloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Toluene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Trichloroethene	**160000**		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Vinyl chloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20
Xylenes, Total	ND		4500		ug/Kg	☼	06/23/21 22:45	06/25/21 18:48	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (24.3-24.8)
Date Collected: 06/22/21 16:30
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-8
Matrix: Solid
Percent Solids: 90.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/23/21 22:45	06/25/21 18:48	20
4-Bromofluorobenzene (Surr)	97		49 - 148	06/23/21 22:45	06/25/21 18:48	20
Dibromofluoromethane (Surr)	93		60 - 140	06/23/21 22:45	06/25/21 18:48	20
Toluene-d8 (Surr)	90		50 - 149	06/23/21 22:45	06/25/21 18:48	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (21.2-21.5)
Date Collected: 06/22/21 16:00
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-9
Matrix: Solid
Percent Solids: 89.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,1,2,2-Tetrachloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,1,2-Trichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,1-Dichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,1-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2,4-Trichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2-Dibromo-3-Chloropropane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2-Dibromoethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2-Dichloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,2-Dichloropropane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,3-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
1,4-Dichlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
2-Butanone (MEK)	ND		12000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
2-Hexanone	ND		12000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
4-Methyl-2-pentanone (MIBK)	ND		12000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Acetone	ND		12000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Benzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Bromodichloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Bromoform	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Bromomethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Carbon disulfide	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Carbon tetrachloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Chlorobenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Chloroethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Chloroform	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Chloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
cis-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
cis-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Cyclohexane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Dibromochloromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Dichlorodifluoromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Ethylbenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Isopropylbenzene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Methyl acetate	ND		12000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Methyl tert-butyl ether	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Methylcyclohexane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Methylene Chloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Styrene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Tetrachloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Toluene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
trans-1,2-Dichloroethene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
trans-1,3-Dichloropropene	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Trichloroethene	**130000**		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Trichlorofluoromethane	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Vinyl chloride	ND		2300		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20
Xylenes, Total	ND		4600		ug/Kg	☼	06/23/21 22:45	06/25/21 19:11	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (21.2-21.5)
Date Collected: 06/22/21 16:00
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-9
Matrix: Solid
Percent Solids: 89.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/23/21 22:45	06/25/21 19:11	20
4-Bromofluorobenzene (Surr)	101		49 - 148	06/23/21 22:45	06/25/21 19:11	20
Dibromofluoromethane (Surr)	94		60 - 140	06/23/21 22:45	06/25/21 19:11	20
Toluene-d8 (Surr)	93		50 - 149	06/23/21 22:45	06/25/21 19:11	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (17.2-17.5)
Date Collected: 06/22/21 15:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-10
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,1,2,2-Tetrachloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,1,2-Trichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,1-Dichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,1-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2,4-Trichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2-Dibromo-3-Chloropropane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2-Dibromoethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2-Dichloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,2-Dichloropropane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,3-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
1,4-Dichlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
2-Butanone (MEK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
2-Hexanone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
4-Methyl-2-pentanone (MIBK)	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Acetone	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Benzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Bromodichloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Bromoform	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Bromomethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Carbon disulfide	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Carbon tetrachloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Chlorobenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Chloroethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Chloroform	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Chloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
cis-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
cis-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Cyclohexane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Dibromochloromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Dichlorodifluoromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Ethylbenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Isopropylbenzene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Methyl acetate	ND		11000		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Methyl tert-butyl ether	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Methylcyclohexane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Methylene Chloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Styrene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Tetrachloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Toluene	ND	F1	2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
trans-1,2-Dichloroethene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
trans-1,3-Dichloropropene	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Trichloroethene	**110000**		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Trichlorofluoromethane	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Vinyl chloride	ND		2200		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20
Xylenes, Total	ND	F1	4400		ug/Kg	☼	06/23/21 22:45	06/25/21 19:33	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (17.2-17.5)
Date Collected: 06/22/21 15:55
Date Received: 06/23/21 10:00

Lab Sample ID: 480-186416-10
Matrix: Solid
Percent Solids: 91.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		53 - 146	06/23/21 22:45	06/25/21 19:33	20
4-Bromofluorobenzene (Surr)	98		49 - 148	06/23/21 22:45	06/25/21 19:33	20
Dibromofluoromethane (Surr)	95		60 - 140	06/23/21 22:45	06/25/21 19:33	20
Toluene-d8 (Surr)	90		50 - 149	06/23/21 22:45	06/25/21 19:33	20

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186416-1	D-54 (22-22.3)	95	99	95	90
480-186416-2	D-54 (33.0-33.6)	94	98	94	91
480-186416-3	D-76 (20.3-20.7)	95	95	93	91
480-186416-4	D-76 (25.5-25.8)	91	99	90	89
480-186416-5	D-76 (28.6-29.2)	96	93	91	87
480-186416-6	D-63 (14.3-14.7)	92	96	94	89
480-186416-7	D-63 (25.6-27.2)	97	101	95	90
480-186416-8	D-63 (24.3-24.8)	91	97	93	90
480-186416-9	D-63 (21.2-21.5)	94	101	94	93
480-186416-10	D-63 (17.2-17.5)	95	98	95	90
480-186416-10 MS	D-63 (17.2-17.5)	90	97	92	89
480-186416-10 MSD	D-63 (17.2-17.5)	100	96	95	92
LCS 480-586722/1-A	Lab Control Sample	90	102	94	92
MB 480-586722/2-A	Method Blank	83	95	85	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586722/2-A
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,1-Dichloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,1-Dichloroethene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2-Dibromoethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2-Dichloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,2-Dichloropropane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
2-Butanone (MEK)	ND		500		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
2-Hexanone	ND		500		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Acetone	ND		500		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Benzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Bromodichloromethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Bromoform	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Bromomethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Carbon disulfide	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Carbon tetrachloride	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Chlorobenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Chloroethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Chloroform	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Chloromethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Cyclohexane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Dibromochloromethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Ethylbenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Isopropylbenzene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Methyl acetate	ND		500		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Methylcyclohexane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Methylene Chloride	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Styrene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Tetrachloroethene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Toluene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Trichloroethene	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Trichlorofluoromethane	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Vinyl chloride	ND		100		ug/Kg		06/23/21 22:45	06/25/21 12:37	1
Xylenes, Total	ND		200		ug/Kg		06/23/21 22:45	06/25/21 12:37	1

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

Lab Sample ID: MB 480-586722/2-A
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586722

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*83*		*53 - 146*	*06/23/21 22:45*	*06/25/21 12:37*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*06/23/21 22:45*	*06/25/21 12:37*	*1*
Dibromofluoromethane (Surr)	*85*		*60 - 140*	*06/23/21 22:45*	*06/25/21 12:37*	*1*
Toluene-d8 (Surr)	*90*		*50 - 149*	*06/23/21 22:45*	*06/25/21 12:37*	*1*

Lab Sample ID: LCS 480-586722/1-A
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586722

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2490		ug/Kg		100	68 - 130
1,1,2,2-Tetrachloroethane	2500	2510		ug/Kg		100	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2700		ug/Kg		108	10 - 179
1,1,2-Trichloroethane	2500	2620		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2540		ug/Kg		102	78 - 121
1,1-Dichloroethene	2500	2540		ug/Kg		102	48 - 133
1,2,4-Trichlorobenzene	2500	2460		ug/Kg		98	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2130		ug/Kg		85	56 - 122
1,2-Dibromoethane	2500	2600		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	2500	2400		ug/Kg		96	78 - 125
1,2-Dichloroethane	2500	2410		ug/Kg		96	74 - 127
1,2-Dichloropropane	2500	2500		ug/Kg		100	80 - 120
1,3-Dichlorobenzene	2500	2440		ug/Kg		97	80 - 120
1,4-Dichlorobenzene	2500	2360		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	12400		ug/Kg		99	54 - 149
2-Hexanone	12500	11700		ug/Kg		93	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11600		ug/Kg		93	74 - 120
Acetone	12500	11900		ug/Kg		95	47 - 141
Benzene	2500	2540		ug/Kg		102	77 - 125
Bromodichloromethane	2500	2550		ug/Kg		102	71 - 121
Bromoform	2500	2340		ug/Kg		93	48 - 125
Bromomethane	2500	2040		ug/Kg		82	39 - 149
Carbon disulfide	2500	2410		ug/Kg		96	40 - 136
Carbon tetrachloride	2500	2530		ug/Kg		101	54 - 135
Chlorobenzene	2500	2630		ug/Kg		105	76 - 126
Chloroethane	2500	2070		ug/Kg		83	23 - 150
Chloroform	2500	2480		ug/Kg		99	78 - 120
Chloromethane	2500	2400		ug/Kg		96	61 - 124
cis-1,2-Dichloroethene	2500	2500		ug/Kg		100	79 - 124
cis-1,3-Dichloropropene	2500	2780		ug/Kg		111	75 - 121
Cyclohexane	2500	2650		ug/Kg		106	49 - 129
Dibromochloromethane	2500	2470		ug/Kg		99	64 - 120
Dichlorodifluoromethane	2500	1770		ug/Kg		71	10 - 150
Ethylbenzene	2500	2670		ug/Kg		107	78 - 124
Isopropylbenzene	2500	2750		ug/Kg		110	76 - 120
Methyl acetate	5000	4600		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2500		ug/Kg		100	67 - 137
Methylcyclohexane	2500	2720		ug/Kg		109	50 - 130

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

Lab Sample ID: LCS 480-586722/1-A
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586722

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			2500	2740		ug/Kg		110	75 - 118		
Styrene			2500	2690		ug/Kg		107	80 - 120		
Tetrachloroethene			2500	2460		ug/Kg		98	73 - 133		
Toluene			2500	2690		ug/Kg		108	75 - 124		
trans-1,2-Dichloroethene			2500	2570		ug/Kg		103	74 - 129		
trans-1,3-Dichloropropene			2500	2730		ug/Kg		109	73 - 120		
Trichloroethene			2500	2660		ug/Kg		107	75 - 131		
Trichlorofluoromethane			2500	2100		ug/Kg		84	29 - 158		
Vinyl chloride			2500	2610		ug/Kg		104	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

Lab Sample ID: 480-186416-10 MS
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: D-63 (17.2-17.5)
Prep Type: Total/NA
Prep Batch: 586722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		2670	2800		ug/Kg	☼	105	64 - 142		
1,1,2,2-Tetrachloroethane	ND		2670	3030		ug/Kg	☼	114	56 - 128		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2670	3320		ug/Kg	☼	124	64 - 154		
1,1,2-Trichloroethane	ND		2670	2730		ug/Kg	☼	102	63 - 133		
1,1-Dichloroethane	ND		2670	2960		ug/Kg	☼	111	64 - 135		
1,1-Dichloroethene	ND		2670	3300		ug/Kg	☼	124	62 - 145		
1,2,4-Trichlorobenzene	ND		2670	2610		ug/Kg	☼	98	56 - 145		
1,2-Dibromo-3-Chloropropane	ND		2670	ND		ug/Kg	☼	77	40 - 122		
1,2-Dibromoethane	ND		2670	2560		ug/Kg	☼	96	65 - 133		
1,2-Dichlorobenzene	ND		2670	2650		ug/Kg	☼	99	68 - 133		
1,2-Dichloroethane	ND		2670	2830		ug/Kg	☼	106	62 - 135		
1,2-Dichloropropane	ND		2670	2540		ug/Kg	☼	95	67 - 139		
1,3-Dichlorobenzene	ND		2670	2410		ug/Kg	☼	90	68 - 136		
1,4-Dichlorobenzene	ND		2670	2580		ug/Kg	☼	97	69 - 136		
2-Butanone (MEK)	ND		13300	13900		ug/Kg	☼	104	46 - 132		
2-Hexanone	ND		13300	13200		ug/Kg	☼	99	44 - 130		
4-Methyl-2-pentanone (MIBK)	ND		13300	13000		ug/Kg	☼	97	49 - 125		
Acetone	ND		13300	17400		ug/Kg	☼	130	32 - 136		
Benzene	ND		2670	2660		ug/Kg	☼	100	68 - 137		
Bromodichloromethane	ND		2670	2510		ug/Kg	☼	94	62 - 136		
Bromoform	ND		2670	2610		ug/Kg	☼	98	43 - 134		
Bromomethane	ND		2670	3440		ug/Kg	☼	129	38 - 137		
Carbon disulfide	ND		2670	2490		ug/Kg	☼	93	52 - 139		
Carbon tetrachloride	ND		2670	2670		ug/Kg	☼	100	60 - 150		
Chlorobenzene	ND		2670	2860		ug/Kg	☼	107	67 - 136		
Chloroethane	ND		2670	3430		ug/Kg	☼	129	34 - 140		
Chloroform	ND		2670	2750		ug/Kg	☼	103	64 - 133		

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

Lab Sample ID: 480-186416-10 MS
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: D-63 (17.2-17.5)
Prep Type: Total/NA
Prep Batch: 586722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2670	2630		ug/Kg	☼	98	47 - 143
cis-1,2-Dichloroethene	ND		2670	4350		ug/Kg	☼	98	65 - 137
cis-1,3-Dichloropropene	ND		2670	2490		ug/Kg	☼	93	61 - 148
Cyclohexane	ND		2670	3020		ug/Kg	☼	113	63 - 149
Dibromochloromethane	ND		2670	2370		ug/Kg	☼	89	57 - 137
Dichlorodifluoromethane	ND		2670	2350		ug/Kg	☼	88	26 - 150
Ethylbenzene	ND		2670	2730		ug/Kg	☼	102	67 - 136
Isopropylbenzene	ND		2670	2790		ug/Kg	☼	105	65 - 147
Methyl acetate	ND		5340	ND		ug/Kg	☼	104	50 - 124
Methyl tert-butyl ether	ND		2670	2730		ug/Kg	☼	102	60 - 130
Methylcyclohexane	ND		2670	2670		ug/Kg	☼	100	67 - 150
Methylene Chloride	ND		2670	2420		ug/Kg	☼	91	63 - 138
Styrene	ND		2670	2660		ug/Kg	☼	99	68 - 137
Tetrachloroethene	ND		2670	ND		ug/Kg	☼	82	67 - 150
Toluene	ND	F1	2670	3850	F1	ug/Kg	☼	144	68 - 137
trans-1,2-Dichloroethene	ND		2670	2600		ug/Kg	☼	97	65 - 138
trans-1,3-Dichloropropene	ND		2670	2400		ug/Kg	☼	90	58 - 143
Trichloroethene	110000		2670	90600	4	ug/Kg	☼	-646	69 - 143
Trichlorofluoromethane	ND		2670	2760		ug/Kg	☼	103	35 - 150
Vinyl chloride	ND		2670	3320		ug/Kg	☼	124	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*
Dibromofluoromethane (Surr)	*92*		*60 - 140*
Toluene-d8 (Surr)	*89*		*50 - 149*

Lab Sample ID: 480-186416-10 MSD
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: D-63 (17.2-17.5)
Prep Type: Total/NA
Prep Batch: 586722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2690	2460		ug/Kg	☼	92	64 - 142	13	20
1,1,2,2-Tetrachloroethane	ND		2690	2700		ug/Kg	☼	100	56 - 128	12	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2690	2920		ug/Kg	☼	109	64 - 154	13	20
1,1,2-Trichloroethane	ND		2690	2970		ug/Kg	☼	111	63 - 133	9	20
1,1-Dichloroethane	ND		2690	2880		ug/Kg	☼	107	64 - 135	3	20
1,1-Dichloroethene	ND		2690	2980		ug/Kg	☼	111	62 - 145	10	20
1,2,4-Trichlorobenzene	ND		2690	2290		ug/Kg	☼	85	56 - 145	13	20
1,2-Dibromo-3-Chloropropane	ND		2690	2240		ug/Kg	☼	83	40 - 122	8	20
1,2-Dibromoethane	ND		2690	2440		ug/Kg	☼	91	65 - 133	5	20
1,2-Dichlorobenzene	ND		2690	2660		ug/Kg	☼	99	68 - 133	0	20
1,2-Dichloroethane	ND		2690	3100		ug/Kg	☼	115	62 - 135	9	20
1,2-Dichloropropane	ND		2690	2570		ug/Kg	☼	96	67 - 139	1	20
1,3-Dichlorobenzene	ND		2690	2830		ug/Kg	☼	105	68 - 136	16	20
1,4-Dichlorobenzene	ND		2690	2680		ug/Kg	☼	100	69 - 136	4	20
2-Butanone (MEK)	ND		13400	13000		ug/Kg	☼	97	46 - 132	6	20
2-Hexanone	ND		13400	13200		ug/Kg	☼	98	44 - 130	0	20

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

Lab Sample ID: 480-186416-10 MSD
Matrix: Solid
Analysis Batch: 586961

Client Sample ID: D-63 (17.2-17.5)
Prep Type: Total/NA
Prep Batch: 586722

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		13400	14400		ug/Kg	☼	107	49 - 125	10	20
Acetone	ND		13400	14500		ug/Kg	☼	108	32 - 136	18	20
Benzene	ND		2690	2560		ug/Kg	☼	95	68 - 137	4	20
Bromodichloromethane	ND		2690	2640		ug/Kg	☼	98	62 - 136	5	20
Bromoform	ND		2690	2230		ug/Kg	☼	83	43 - 134	16	20
Bromomethane	ND		2690	3330		ug/Kg	☼	124	38 - 137	3	20
Carbon disulfide	ND		2690	2560		ug/Kg	☼	95	52 - 139	3	20
Carbon tetrachloride	ND		2690	2600		ug/Kg	☼	97	60 - 150	3	20
Chlorobenzene	ND		2690	2790		ug/Kg	☼	104	67 - 136	3	20
Chloroethane	ND		2690	3630		ug/Kg	☼	135	34 - 140	6	20
Chloroform	ND		2690	2580		ug/Kg	☼	96	64 - 133	6	20
Chloromethane	ND		2690	3180		ug/Kg	☼	119	47 - 143	19	20
cis-1,2-Dichloroethene	ND		2690	3890		ug/Kg	☼	80	65 - 137	11	20
cis-1,3-Dichloropropene	ND		2690	2570		ug/Kg	☼	96	61 - 148	3	20
Cyclohexane	ND		2690	2870		ug/Kg	☼	107	63 - 149	5	20
Dibromochloromethane	ND		2690	2260		ug/Kg	☼	84	57 - 137	5	20
Dichlorodifluoromethane	ND		2690	ND		ug/Kg	☼	82	26 - 150	7	20
Ethylbenzene	ND		2690	2550		ug/Kg	☼	95	67 - 136	7	20
Isopropylbenzene	ND		2690	2730		ug/Kg	☼	102	65 - 147	2	20
Methyl acetate	ND		5370	ND		ug/Kg	☼	107	50 - 124	3	20
Methyl tert-butyl ether	ND		2690	2950		ug/Kg	☼	110	60 - 130	8	20
Methylcyclohexane	ND		2690	2490		ug/Kg	☼	93	67 - 150	7	20
Methylene Chloride	ND		2690	2730		ug/Kg	☼	102	63 - 138	12	20
Styrene	ND		2690	2700		ug/Kg	☼	101	68 - 137	2	20
Tetrachloroethene	ND		2690	2370		ug/Kg	☼	88	67 - 150	8	20
Toluene	ND	F1	2690	3830	F1	ug/Kg	☼	143	68 - 137	0	20
trans-1,2-Dichloroethene	ND		2690	2820		ug/Kg	☼	105	65 - 138	8	20
trans-1,3-Dichloropropene	ND		2690	2240		ug/Kg	☼	83	58 - 143	7	20
Trichloroethene	110000		2690	90800	4	ug/Kg	☼	-635	69 - 143	0	20
Trichlorofluoromethane	ND		2690	3370		ug/Kg	☼	125	35 - 150	20	20
Vinyl chloride	ND		2690	3020		ug/Kg	☼	113	56 - 150	9	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

GC/MS VOA

Prep Batch: 586722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186416-1	D-54 (22-22.3)	Total/NA	Solid	5035A_H	
480-186416-2	D-54 (33.0-33.6)	Total/NA	Solid	5035A_H	
480-186416-3	D-76 (20.3-20.7)	Total/NA	Solid	5035A_H	
480-186416-4	D-76 (25.5-25.8)	Total/NA	Solid	5035A_H	
480-186416-5	D-76 (28.6-29.2)	Total/NA	Solid	5035A_H	
480-186416-6	D-63 (14.3-14.7)	Total/NA	Solid	5035A_H	
480-186416-7	D-63 (25.6-27.2)	Total/NA	Solid	5035A_H	
480-186416-8	D-63 (24.3-24.8)	Total/NA	Solid	5035A_H	
480-186416-9	D-63 (21.2-21.5)	Total/NA	Solid	5035A_H	
480-186416-10	D-63 (17.2-17.5)	Total/NA	Solid	5035A_H	
MB 480-586722/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586722/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186416-10 MS	D-63 (17.2-17.5)	Total/NA	Solid	5035A_H	
480-186416-10 MSD	D-63 (17.2-17.5)	Total/NA	Solid	5035A_H	

Analysis Batch: 586961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186416-1	D-54 (22-22.3)	Total/NA	Solid	8260C	586722
480-186416-2	D-54 (33.0-33.6)	Total/NA	Solid	8260C	586722
480-186416-3	D-76 (20.3-20.7)	Total/NA	Solid	8260C	586722
480-186416-4	D-76 (25.5-25.8)	Total/NA	Solid	8260C	586722
480-186416-5	D-76 (28.6-29.2)	Total/NA	Solid	8260C	586722
480-186416-6	D-63 (14.3-14.7)	Total/NA	Solid	8260C	586722
480-186416-7	D-63 (25.6-27.2)	Total/NA	Solid	8260C	586722
480-186416-8	D-63 (24.3-24.8)	Total/NA	Solid	8260C	586722
480-186416-9	D-63 (21.2-21.5)	Total/NA	Solid	8260C	586722
480-186416-10	D-63 (17.2-17.5)	Total/NA	Solid	8260C	586722
MB 480-586722/2-A	Method Blank	Total/NA	Solid	8260C	586722
LCS 480-586722/1-A	Lab Control Sample	Total/NA	Solid	8260C	586722
480-186416-10 MS	D-63 (17.2-17.5)	Total/NA	Solid	8260C	586722
480-186416-10 MSD	D-63 (17.2-17.5)	Total/NA	Solid	8260C	586722

General Chemistry

Analysis Batch: 586683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186416-1	D-54 (22-22.3)	Total/NA	Solid	Moisture	
480-186416-2	D-54 (33.0-33.6)	Total/NA	Solid	Moisture	
480-186416-3	D-76 (20.3-20.7)	Total/NA	Solid	Moisture	
480-186416-4	D-76 (25.5-25.8)	Total/NA	Solid	Moisture	
480-186416-5	D-76 (28.6-29.2)	Total/NA	Solid	Moisture	
480-186416-6	D-63 (14.3-14.7)	Total/NA	Solid	Moisture	
480-186416-7	D-63 (25.6-27.2)	Total/NA	Solid	Moisture	
480-186416-8	D-63 (24.3-24.8)	Total/NA	Solid	Moisture	
480-186416-9	D-63 (21.2-21.5)	Total/NA	Solid	Moisture	
480-186416-10	D-63 (17.2-17.5)	Total/NA	Solid	Moisture	

Client Sample ID: D-54 (22-22.3) — **Lab Sample ID: 480-186416-1**
Date Collected: 06/22/21 10:20 — **Matrix: Solid**
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-54 (22-22.3) — **Lab Sample ID: 480-186416-1**
Date Collected: 06/22/21 10:20 — **Matrix: Solid**
Date Received: 06/23/21 10:00 — **Percent Solids: 90.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		4	586961	06/25/21 16:06	WJD	TAL BUF

Client Sample ID: D-54 (33.0-33.6) — **Lab Sample ID: 480-186416-2**
Date Collected: 06/22/21 09:55 — **Matrix: Solid**
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-54 (33.0-33.6) — **Lab Sample ID: 480-186416-2**
Date Collected: 06/22/21 09:55 — **Matrix: Solid**
Date Received: 06/23/21 10:00 — **Percent Solids: 86.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		2	586961	06/25/21 16:30	WJD	TAL BUF

Client Sample ID: D-76 (20.3-20.7) — **Lab Sample ID: 480-186416-3**
Date Collected: 06/22/21 11:25 — **Matrix: Solid**
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-76 (20.3-20.7) — **Lab Sample ID: 480-186416-3**
Date Collected: 06/22/21 11:25 — **Matrix: Solid**
Date Received: 06/23/21 10:00 — **Percent Solids: 90.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		4	586961	06/25/21 16:53	WJD	TAL BUF

Client Sample ID: D-76 (25.5-25.8) — **Lab Sample ID: 480-186416-4**
Date Collected: 06/22/21 13:40 — **Matrix: Solid**
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-76 (25.5-25.8)

Lab Sample ID: 480-186416-4
Date Collected: 06/22/21 13:40
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 90.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		4	586961	06/25/21 17:16	WJD	TAL BUF

Client Sample ID: D-76 (28.6-29.2)

Lab Sample ID: 480-186416-5
Date Collected: 06/22/21 11:55
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-76 (28.6-29.2)

Lab Sample ID: 480-186416-5
Date Collected: 06/22/21 11:55
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586961	06/25/21 17:39	WJD	TAL BUF

Client Sample ID: D-63 (14.3-14.7)

Lab Sample ID: 480-186416-6
Date Collected: 06/22/21 13:40
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-63 (14.3-14.7)

Lab Sample ID: 480-186416-6
Date Collected: 06/22/21 13:40
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		50	586961	06/25/21 18:02	WJD	TAL BUF

Client Sample ID: D-63 (25.6-27.2)

Lab Sample ID: 480-186416-7
Date Collected: 06/22/21 14:45
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Client Sample ID: D-63 (25.6-27.2)

Lab Sample ID: 480-186416-7

Date Collected: 06/22/21 14:45
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		25	586961	06/25/21 18:25	WJD	TAL BUF

Client Sample ID: D-63 (24.3-24.8)

Lab Sample ID: 480-186416-8

Date Collected: 06/22/21 16:30
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-63 (24.3-24.8)

Lab Sample ID: 480-186416-8

Date Collected: 06/22/21 16:30
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586961	06/25/21 18:48	WJD	TAL BUF

Client Sample ID: D-63 (21.2-21.5)

Lab Sample ID: 480-186416-9

Date Collected: 06/22/21 16:00
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Client Sample ID: D-63 (21.2-21.5)

Lab Sample ID: 480-186416-9

Date Collected: 06/22/21 16:00
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586961	06/25/21 19:11	WJD	TAL BUF

Client Sample ID: D-63 (17.2-17.5)

Lab Sample ID: 480-186416-10

Date Collected: 06/22/21 15:55
Matrix: Solid
Date Received: 06/23/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586683	06/23/21 15:44	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-186416-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: D-63 (17.2-17.5)
Lab Sample ID: 480-186416-10
Date Collected: 06/22/21 15:55
Matrix: Solid
Date Received: 06/23/21 10:00
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586722	06/23/21 22:45	CDC	TAL BUF
Total/NA	Analysis	8260C		20	586961	06/25/21 19:33	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186416-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186416-1	D-54 (22-22.3)	Solid	06/22/21 10:20	06/23/21 10:00	
480-186416-2	D-54 (33.0-33.6)	Solid	06/22/21 09:55	06/23/21 10:00	
480-186416-3	D-76 (20.3-20.7)	Solid	06/22/21 11:25	06/23/21 10:00	
480-186416-4	D-76 (25.5-25.8)	Solid	06/22/21 13:40	06/23/21 10:00	
480-186416-5	D-76 (28.6-29.2)	Solid	06/22/21 11:55	06/23/21 10:00	
480-186416-6	D-63 (14.3-14.7)	Solid	06/22/21 13:40	06/23/21 10:00	
480-186416-7	D-63 (25.6-27.2)	Solid	06/22/21 14:45	06/23/21 10:00	
480-186416-8	D-63 (24.3-24.8)	Solid	06/22/21 16:30	06/23/21 10:00	
480-186416-9	D-63 (21.2-21.5)	Solid	06/22/21 16:00	06/23/21 10:00	
480-186416-10	D-63 (17.2-17.5)	Solid	06/22/21 15:55	06/23/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:

Address: 855 Route 146 Suite 210	Due Date Requested:	Analysis Requested
City: Clifton Park	TAT Requested (days): 10 Days (Standard)	
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No	
Phone: 518-250-7322(Tel)	PO #: VCRP036206	
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045	
Project Name: GTEOSI - Seneca Falls	Project #: 48005146	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	containers
			Preservation Code:				N	N	A	
D-54(22-22.3)	6/22/21	1020	G	Solid			X			1
D-54(33.3-33.6)	6/22/21	0955	G	Solid			X			1
D-76(20.3-20.7)	6/22/21	1125	G	Solid			X			1
D-76(25.5-25.8)	6/22/21	1340	G	Solid			X			1
D-76(28.6-29.2)	6/22/21	1155	G	Solid			X			1
D-63(14.3-14.7)	6/22/21	1340	G	Solid			X			1
D-63(25.6-27.2)	6/22/21	1445	G	Solid			X			1
D-63(24.3-24.8)	6/22/21	1630	G	Solid			X			1
D-63(21.2-21.5)	6/22/21	1600	G	Solid			X			1
D-63(17.2-17.5)	6/22/21	1555	G	Solid			X			1

480-186416 Chain of Custody

Special Instructions/Note:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Ryan Clare	Date/Time: 6-22-21 1830	Company: Arcadis	Received By:	Date/Time: 6/23/21 1000	Company: TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4F 1 2.7

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186416-1

Login Number: 186416

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186496-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
7/7/2021 5:09:17 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-186496-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186496-1

Comments
No additional comments.

Receipt
The samples were received on 6/24/2021 10:00 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 3.3º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-64 (16.5-16.8) (480-186496-1), D-64 (32-32.5) (480-186496-2), D-65 (13.1-13.4) (480-186496-3), D-65 (14.4-14.6) (480-186496-4), D-65 (18.8-19.2) (480-186496-5), D-65 (32-32.5) (480-186496-6), D-65 (29.6-30) (480-186496-7), D-66 (12.8-13.2) (480-186496-8), (480-186496-A-8-B MS) and (480-186496-A-8-C MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the sample matrix: (480-186496-A-8-B MS) and (480-186496-A-8-C MSD). Because of this dilution, matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information. The associated samples are impacted: (480-186496-A-8-B MS) and (480-186496-A-8-C MSD).

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-64 (16.5-16.8) — Lab Sample ID: 480-186496-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1800		920		ug/Kg	8	☼	8260C	Total/NA
Trichloroethene	30000		920		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-64 (32-32.5) — Lab Sample ID: 480-186496-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	9000		230		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-65 (13.1-13.4) — Lab Sample ID: 480-186496-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	24000		530		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-65 (14.4-14.6) — Lab Sample ID: 480-186496-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	260000		5900		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-65 (18.8-19.2) — Lab Sample ID: 480-186496-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	180000		4600		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-65 (32-32.5) — Lab Sample ID: 480-186496-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	6800		130		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-65 (29.6-30) — Lab Sample ID: 480-186496-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	290		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-66 (12.8-13.2) — Lab Sample ID: 480-186496-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	69000		1100		ug/Kg	10	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-64 (16.5-16.8)
Date Collected: 06/23/21 10:50
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-1
Matrix: Solid
Percent Solids: 89.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,1,2,2-Tetrachloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,1,2-Trichloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,1-Dichloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,1-Dichloroethene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2,4-Trichlorobenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2-Dibromo-3-Chloropropane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2-Dibromoethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2-Dichlorobenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2-Dichloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,2-Dichloropropane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,3-Dichlorobenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
1,4-Dichlorobenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
2-Butanone (MEK)	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
2-Hexanone	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
4-Methyl-2-pentanone (MIBK)	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Acetone	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Benzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Bromodichloromethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Bromoform	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Bromomethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Carbon disulfide	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Carbon tetrachloride	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Chlorobenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Chloroethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Chloroform	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Chloromethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
cis-1,2-Dichloroethene	**1800**		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
cis-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Cyclohexane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Dibromochloromethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Dichlorodifluoromethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Ethylbenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Isopropylbenzene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Methyl acetate	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Methyl tert-butyl ether	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Methylcyclohexane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Methylene Chloride	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Styrene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Tetrachloroethene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Toluene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
trans-1,2-Dichloroethene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
trans-1,3-Dichloropropene	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Trichloroethene	**30000**		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Trichlorofluoromethane	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Vinyl chloride	ND		920		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8
Xylenes, Total	ND		1800		ug/Kg	☼	06/24/21 23:49	06/28/21 16:38	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-64 (16.5-16.8)
Date Collected: 06/23/21 10:50
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-1
Matrix: Solid
Percent Solids: 89.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/24/21 23:49	06/28/21 16:38	8
4-Bromofluorobenzene (Surr)	97		49 - 148	06/24/21 23:49	06/28/21 16:38	8
Dibromofluoromethane (Surr)	92		60 - 140	06/24/21 23:49	06/28/21 16:38	8
Toluene-d8 (Surr)	88		50 - 149	06/24/21 23:49	06/28/21 16:38	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-64 (32-32.5)
Date Collected: 06/23/21 10:35
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-2
Matrix: Solid
Percent Solids: 90.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,1,2,2-Tetrachloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,1,2-Trichloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,1-Dichloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,1-Dichloroethene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2,4-Trichlorobenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2-Dibromo-3-Chloropropane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2-Dibromoethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2-Dichlorobenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2-Dichloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,2-Dichloropropane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,3-Dichlorobenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
1,4-Dichlorobenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
2-Butanone (MEK)	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
2-Hexanone	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
4-Methyl-2-pentanone (MIBK)	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Acetone	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Benzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Bromodichloromethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Bromoform	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Bromomethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Carbon disulfide	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Carbon tetrachloride	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Chlorobenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Chloroethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Chloroform	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Chloromethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
cis-1,2-Dichloroethene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
cis-1,3-Dichloropropene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Cyclohexane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Dibromochloromethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Dichlorodifluoromethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Ethylbenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Isopropylbenzene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Methyl acetate	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Methyl tert-butyl ether	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Methylcyclohexane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Methylene Chloride	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Styrene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Tetrachloroethene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Toluene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
trans-1,2-Dichloroethene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
trans-1,3-Dichloropropene	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Trichloroethene	**9000**		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Trichlorofluoromethane	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Vinyl chloride	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2
Xylenes, Total	ND		450		ug/Kg	☼	06/24/21 23:49	06/28/21 17:02	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-64 (32-32.5)
Date Collected: 06/23/21 10:35
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-2
Matrix: Solid
Percent Solids: 90.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/24/21 23:49	06/28/21 17:02	2
4-Bromofluorobenzene (Surr)	99		49 - 148	06/24/21 23:49	06/28/21 17:02	2
Dibromofluoromethane (Surr)	90		60 - 140	06/24/21 23:49	06/28/21 17:02	2
Toluene-d8 (Surr)	92		50 - 149	06/24/21 23:49	06/28/21 17:02	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (13.1-13.4)
Date Collected: 06/23/21 12:45
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-3
Matrix: Solid
Percent Solids: 81.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,1,2,2-Tetrachloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,1,2-Trichloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,1-Dichloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,1-Dichloroethene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2,4-Trichlorobenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2-Dibromo-3-Chloropropane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2-Dibromoethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2-Dichlorobenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2-Dichloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,2-Dichloropropane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,3-Dichlorobenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
1,4-Dichlorobenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
2-Butanone (MEK)	ND		2700		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
2-Hexanone	ND		2700		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
4-Methyl-2-pentanone (MIBK)	ND		2700		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Acetone	ND		2700		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Benzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Bromodichloromethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Bromoform	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Bromomethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Carbon disulfide	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Carbon tetrachloride	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Chlorobenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Chloroethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Chloroform	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Chloromethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
cis-1,2-Dichloroethene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
cis-1,3-Dichloropropene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Cyclohexane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Dibromochloromethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Dichlorodifluoromethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Ethylbenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Isopropylbenzene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Methyl acetate	ND		2700		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Methyl tert-butyl ether	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Methylcyclohexane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Methylene Chloride	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Styrene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Tetrachloroethene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Toluene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
trans-1,2-Dichloroethene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
trans-1,3-Dichloropropene	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Trichloroethene	**24000**		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Trichlorofluoromethane	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Vinyl chloride	ND		530		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4
Xylenes, Total	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 17:25	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (13.1-13.4)
Date Collected: 06/23/21 12:45
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-3
Matrix: Solid
Percent Solids: 81.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		53 - 146	06/24/21 23:49	06/28/21 17:25	4
4-Bromofluorobenzene (Surr)	97		49 - 148	06/24/21 23:49	06/28/21 17:25	4
Dibromofluoromethane (Surr)	94		60 - 140	06/24/21 23:49	06/28/21 17:25	4
Toluene-d8 (Surr)	90		50 - 149	06/24/21 23:49	06/28/21 17:25	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (14.4-14.6)
Date Collected: 06/23/21 11:35
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-4
Matrix: Solid
Percent Solids: 88.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,1,2,2-Tetrachloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,1,2-Trichloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,1-Dichloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,1-Dichloroethene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2,4-Trichlorobenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2-Dibromo-3-Chloropropane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2-Dibromoethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2-Dichlorobenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2-Dichloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,2-Dichloropropane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,3-Dichlorobenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
1,4-Dichlorobenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
2-Butanone (MEK)	ND		30000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
2-Hexanone	ND		30000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
4-Methyl-2-pentanone (MIBK)	ND		30000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Acetone	ND		30000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Benzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Bromodichloromethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Bromoform	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Bromomethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Carbon disulfide	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Carbon tetrachloride	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Chlorobenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Chloroethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Chloroform	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Chloromethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
cis-1,2-Dichloroethene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
cis-1,3-Dichloropropene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Cyclohexane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Dibromochloromethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Dichlorodifluoromethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Ethylbenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Isopropylbenzene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Methyl acetate	ND		30000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Methyl tert-butyl ether	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Methylcyclohexane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Methylene Chloride	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Styrene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Tetrachloroethene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Toluene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
trans-1,2-Dichloroethene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
trans-1,3-Dichloropropene	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Trichloroethene	**260000**		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Trichlorofluoromethane	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Vinyl chloride	ND		5900		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50
Xylenes, Total	ND		12000		ug/Kg	☼	06/24/21 23:49	06/28/21 17:48	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (14.4-14.6)
Date Collected: 06/23/21 11:35
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-4
Matrix: Solid
Percent Solids: 88.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/24/21 23:49	06/28/21 17:48	50
4-Bromofluorobenzene (Surr)	97		49 - 148	06/24/21 23:49	06/28/21 17:48	50
Dibromofluoromethane (Surr)	95		60 - 140	06/24/21 23:49	06/28/21 17:48	50
Toluene-d8 (Surr)	92		50 - 149	06/24/21 23:49	06/28/21 17:48	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (18.8-19.2)
Date Collected: 06/23/21 13:10
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-5
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,1,2,2-Tetrachloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,1,2-Trichloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,1-Dichloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,1-Dichloroethene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2,4-Trichlorobenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2-Dibromo-3-Chloropropane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2-Dibromoethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2-Dichlorobenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2-Dichloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,2-Dichloropropane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,3-Dichlorobenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
1,4-Dichlorobenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
2-Butanone (MEK)	ND		23000		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
2-Hexanone	ND		23000		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
4-Methyl-2-pentanone (MIBK)	ND		23000		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Acetone	ND		23000		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Benzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Bromodichloromethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Bromoform	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Bromomethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Carbon disulfide	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Carbon tetrachloride	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Chlorobenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Chloroethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Chloroform	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Chloromethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
cis-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
cis-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Cyclohexane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Dibromochloromethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Dichlorodifluoromethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Ethylbenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Isopropylbenzene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Methyl acetate	ND		23000		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Methyl tert-butyl ether	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Methylcyclohexane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Methylene Chloride	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Styrene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Tetrachloroethene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Toluene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
trans-1,2-Dichloroethene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
trans-1,3-Dichloropropene	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Trichloroethene	**180000**		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Trichlorofluoromethane	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Vinyl chloride	ND		4600		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40
Xylenes, Total	ND		9200		ug/Kg	☼	06/24/21 23:49	06/28/21 18:12	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (18.8-19.2)
Date Collected: 06/23/21 13:10
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-5
Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/24/21 23:49	06/28/21 18:12	40
4-Bromofluorobenzene (Surr)	99		49 - 148	06/24/21 23:49	06/28/21 18:12	40
Dibromofluoromethane (Surr)	94		60 - 140	06/24/21 23:49	06/28/21 18:12	40
Toluene-d8 (Surr)	93		50 - 149	06/24/21 23:49	06/28/21 18:12	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (32-32.5)
Date Collected: 06/23/21 12:30
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-6
Matrix: Solid
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,1,2-Trichloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,1-Dichloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,1-Dichloroethene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2-Dibromo-3-Chloropropane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2-Dibromoethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2-Dichlorobenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2-Dichloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,2-Dichloropropane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,3-Dichlorobenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
1,4-Dichlorobenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
2-Butanone (MEK)	ND		670		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
2-Hexanone	ND		670		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		670		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Acetone	ND		670		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Benzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Bromodichloromethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Bromoform	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Bromomethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Carbon disulfide	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Carbon tetrachloride	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Chlorobenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Chloroethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Chloroform	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Chloromethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
cis-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
cis-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Cyclohexane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Dibromochloromethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Dichlorodifluoromethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Ethylbenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Isopropylbenzene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Methyl acetate	ND		670		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Methyl tert-butyl ether	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Methylcyclohexane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Methylene Chloride	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Styrene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Tetrachloroethene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Toluene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
trans-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
trans-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Trichloroethene	**6800**		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Trichlorofluoromethane	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Vinyl chloride	ND		130		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1
Xylenes, Total	ND		270		ug/Kg	☼	06/24/21 23:49	06/28/21 18:35	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (32-32.5)
Date Collected: 06/23/21 12:30
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-6
Matrix: Solid
Percent Solids: 80.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/24/21 23:49	06/28/21 18:35	1
4-Bromofluorobenzene (Surr)	99		49 - 148	06/24/21 23:49	06/28/21 18:35	1
Dibromofluoromethane (Surr)	88		60 - 140	06/24/21 23:49	06/28/21 18:35	1
Toluene-d8 (Surr)	91		50 - 149	06/24/21 23:49	06/28/21 18:35	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (29.6-30)
Date Collected: 06/23/21 14:25
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-7
Matrix: Solid
Percent Solids: 88.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
2-Butanone (MEK)	ND		580		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
2-Hexanone	ND		580		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
4-Methyl-2-pentanone (MIBK)	ND		580		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Acetone	ND		580		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Benzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Bromodichloromethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Bromoform	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Bromomethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Carbon disulfide	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Carbon tetrachloride	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Chlorobenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Chloroethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Chloroform	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Chloromethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
cis-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Cyclohexane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Dibromochloromethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Ethylbenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Isopropylbenzene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Methyl acetate	ND		580		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Methylcyclohexane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Methylene Chloride	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Styrene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Tetrachloroethene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Toluene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Trichloroethene	**290**		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Vinyl chloride	ND		120		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1
Xylenes, Total	ND		230		ug/Kg	☼	06/24/21 23:49	06/28/21 12:24	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (29.6-30)
Date Collected: 06/23/21 14:25
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-7
Matrix: Solid
Percent Solids: 88.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/24/21 23:49	06/28/21 12:24	1
4-Bromofluorobenzene (Surr)	101		49 - 148	06/24/21 23:49	06/28/21 12:24	1
Dibromofluoromethane (Surr)	89		60 - 140	06/24/21 23:49	06/28/21 12:24	1
Toluene-d8 (Surr)	93		50 - 149	06/24/21 23:49	06/28/21 12:24	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-66 (12.8-13.2)
Date Collected: 06/23/21 16:00
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-8
Matrix: Solid
Percent Solids: 89.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,1-Dichloroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,1-Dichloroethene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2-Dibromo-3-Chloropropane	ND	F2	1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2-Dibromoethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2-Dichloroethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,2-Dichloropropane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
2-Butanone (MEK)	ND		5700		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
2-Hexanone	ND		5700		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
4-Methyl-2-pentanone (MIBK)	ND		5700		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Acetone	ND		5700		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Benzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Bromodichloromethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Bromoform	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Bromomethane	ND	F1	1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Carbon disulfide	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Carbon tetrachloride	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Chlorobenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Chloroethane	ND	F1	1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Chloroform	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Chloromethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Cyclohexane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Dibromochloromethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Ethylbenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Isopropylbenzene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Methyl acetate	ND		5700		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Methylcyclohexane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Methylene Chloride	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Styrene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Tetrachloroethene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Toluene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Trichloroethene	**69000**		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Trichlorofluoromethane	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Vinyl chloride	ND		1100		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10
Xylenes, Total	ND		2300		ug/Kg	☼	06/24/21 23:49	06/28/21 18:58	10

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-66 (12.8-13.2)
Date Collected: 06/23/21 16:00
Date Received: 06/24/21 10:00

Lab Sample ID: 480-186496-8
Matrix: Solid
Percent Solids: 89.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/24/21 23:49	06/28/21 18:58	10
4-Bromofluorobenzene (Surr)	104		49 - 148	06/24/21 23:49	06/28/21 18:58	10
Dibromofluoromethane (Surr)	97		60 - 140	06/24/21 23:49	06/28/21 18:58	10
Toluene-d8 (Surr)	95		50 - 149	06/24/21 23:49	06/28/21 18:58	10

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186496-1	D-64 (16.5-16.8)	93	97	92	88
480-186496-2	D-64 (32-32.5)	94	99	90	92
480-186496-3	D-65 (13.1-13.4)	88	97	94	90
480-186496-4	D-65 (14.4-14.6)	96	97	95	92
480-186496-5	D-65 (18.8-19.2)	93	99	94	93
480-186496-6	D-65 (32-32.5)	92	99	88	91
480-186496-7	D-65 (29.6-30)	92	101	89	93
480-186496-8	D-66 (12.8-13.2)	96	104	97	95
480-186496-8 MS	D-66 (12.8-13.2)	92	99	93	90
480-186496-8 MSD	D-66 (12.8-13.2)	99	104	97	96
LCS 480-586924/1-A	Lab Control Sample	89	104	95	95
MB 480-586924/2-A	Method Blank	93	99	93	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-586924/2-A
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586924

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,1-Dichloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,1-Dichloroethene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2-Dibromoethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2-Dichloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,2-Dichloropropane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
2-Butanone (MEK)	ND		500		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
2-Hexanone	ND		500		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Acetone	ND		500		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Benzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Bromodichloromethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Bromoform	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Bromomethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Carbon disulfide	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Carbon tetrachloride	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Chlorobenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Chloroethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Chloroform	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Chloromethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Cyclohexane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Dibromochloromethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Ethylbenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Isopropylbenzene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Methyl acetate	ND		500		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Methylcyclohexane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Methylene Chloride	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Styrene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Tetrachloroethene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Toluene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Trichloroethene	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Trichlorofluoromethane	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Vinyl chloride	ND		100		ug/Kg		06/24/21 23:49	06/28/21 11:44	1
Xylenes, Total	ND		200		ug/Kg		06/24/21 23:49	06/28/21 11:44	1

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

Lab Sample ID: MB 480-586924/2-A
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 586924

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*06/24/21 23:49*	*06/28/21 11:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/24/21 23:49*	*06/28/21 11:44*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*06/24/21 23:49*	*06/28/21 11:44*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*06/24/21 23:49*	*06/28/21 11:44*	*1*

Lab Sample ID: LCS 480-586924/1-A
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2430		ug/Kg		97	68 - 130
1,1,2,2-Tetrachloroethane	2500	2500		ug/Kg		100	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2610		ug/Kg		104	10 - 179
1,1,2-Trichloroethane	2500	2550		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2460		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2530		ug/Kg		101	48 - 133
1,2,4-Trichlorobenzene	2500	2400		ug/Kg		96	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2240		ug/Kg		89	56 - 122
1,2-Dibromoethane	2500	2510		ug/Kg		100	80 - 120
1,2-Dichlorobenzene	2500	2370		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2420		ug/Kg		97	74 - 127
1,2-Dichloropropane	2500	2340		ug/Kg		94	80 - 120
1,3-Dichlorobenzene	2500	2410		ug/Kg		96	80 - 120
1,4-Dichlorobenzene	2500	2340		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	11800		ug/Kg		94	54 - 149
2-Hexanone	12500	11300		ug/Kg		91	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11600		ug/Kg		93	74 - 120
Acetone	12500	12600		ug/Kg		101	47 - 141
Benzene	2500	2420		ug/Kg		97	77 - 125
Bromodichloromethane	2500	2430		ug/Kg		97	71 - 121
Bromoform	2500	2450		ug/Kg		98	48 - 125
Bromomethane	2500	1850		ug/Kg		74	39 - 149
Carbon disulfide	2500	2380		ug/Kg		95	40 - 136
Carbon tetrachloride	2500	2380		ug/Kg		95	54 - 135
Chlorobenzene	2500	2560		ug/Kg		102	76 - 126
Chloroethane	2500	1960		ug/Kg		79	23 - 150
Chloroform	2500	2370		ug/Kg		95	78 - 120
Chloromethane	2500	2190		ug/Kg		88	61 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	79 - 124
cis-1,3-Dichloropropene	2500	2530		ug/Kg		101	75 - 121
Cyclohexane	2500	2470		ug/Kg		99	49 - 129
Dibromochloromethane	2500	2510		ug/Kg		100	64 - 120
Dichlorodifluoromethane	2500	1920		ug/Kg		77	10 - 150
Ethylbenzene	2500	2580		ug/Kg		103	78 - 124
Isopropylbenzene	2500	2730		ug/Kg		109	76 - 120
Methyl acetate	5000	4520		ug/Kg		90	71 - 123
Methyl tert-butyl ether	2500	2430		ug/Kg		97	67 - 137
Methylcyclohexane	2500	2550		ug/Kg		102	50 - 130

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

Lab Sample ID: LCS 480-586924/1-A
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	2500	2610		ug/Kg		104	75 - 118
Styrene	2500	2540		ug/Kg		101	80 - 120
Tetrachloroethene	2500	2430		ug/Kg		97	73 - 133
Toluene	2500	2590		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2440		ug/Kg		98	74 - 129
trans-1,3-Dichloropropene	2500	2660		ug/Kg		106	73 - 120
Trichloroethene	2500	2550		ug/Kg		102	75 - 131
Trichlorofluoromethane	2500	2230		ug/Kg		89	29 - 158
Vinyl chloride	2500	2440		ug/Kg		98	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: 480-186496-8 MS
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: D-66 (12.8-13.2)
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2750	2690		ug/Kg	☼	98	64 - 142
1,1,2,2-Tetrachloroethane	ND		2750	2810		ug/Kg	☼	102	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2750	3240		ug/Kg	☼	118	64 - 154
1,1,2-Trichloroethane	ND		2750	2750		ug/Kg	☼	100	63 - 133
1,1-Dichloroethane	ND		2750	2820		ug/Kg	☼	103	64 - 135
1,1-Dichloroethene	ND		2750	3090		ug/Kg	☼	113	62 - 145
1,2,4-Trichlorobenzene	ND		2750	2580		ug/Kg	☼	94	56 - 145
1,2-Dibromo-3-Chloropropane	ND	F2	2750	1850		ug/Kg	☼	67	40 - 122
1,2-Dibromoethane	ND		2750	2830		ug/Kg	☼	103	65 - 133
1,2-Dichlorobenzene	ND		2750	2600		ug/Kg	☼	95	68 - 133
1,2-Dichloroethane	ND		2750	2650		ug/Kg	☼	97	62 - 135
1,2-Dichloropropane	ND		2750	2820		ug/Kg	☼	103	67 - 139
1,3-Dichlorobenzene	ND		2750	2940		ug/Kg	☼	107	68 - 136
1,4-Dichlorobenzene	ND		2750	2530		ug/Kg	☼	92	69 - 136
2-Butanone (MEK)	ND		13700	13200		ug/Kg	☼	97	46 - 132
2-Hexanone	ND		13700	12200		ug/Kg	☼	89	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		13700	12100		ug/Kg	☼	88	49 - 125
Acetone	ND		13700	13800		ug/Kg	☼	101	32 - 136
Benzene	ND		2750	2750		ug/Kg	☼	100	68 - 137
Bromodichloromethane	ND		2750	2600		ug/Kg	☼	95	62 - 136
Bromoform	ND		2750	1920		ug/Kg	☼	70	43 - 134
Bromomethane	ND	F1	2750	3790	F1	ug/Kg	☼	138	38 - 137
Carbon disulfide	ND		2750	2680		ug/Kg	☼	98	52 - 139
Carbon tetrachloride	ND		2750	2780		ug/Kg	☼	101	60 - 150
Chlorobenzene	ND		2750	2690		ug/Kg	☼	98	67 - 136
Chloroethane	ND	F1	2750	4170	F1	ug/Kg	☼	152	34 - 140
Chloroform	ND		2750	2670		ug/Kg	☼	97	64 - 133

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

Lab Sample ID: 480-186496-8 MS
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: D-66 (12.8-13.2)
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND		2750	3690		ug/Kg	☼	134	47 - 143
cis-1,2-Dichloroethene	ND		2750	2960		ug/Kg	☼	108	65 - 137
cis-1,3-Dichloropropene	ND		2750	2750		ug/Kg	☼	100	61 - 148
Cyclohexane	ND		2750	3060		ug/Kg	☼	112	63 - 149
Dibromochloromethane	ND		2750	2440		ug/Kg	☼	89	57 - 137
Dichlorodifluoromethane	ND		2750	3250		ug/Kg	☼	119	26 - 150
Ethylbenzene	ND		2750	2780		ug/Kg	☼	101	67 - 136
Isopropylbenzene	ND		2750	2880		ug/Kg	☼	105	65 - 147
Methyl acetate	ND		5490	ND		ug/Kg	☼	90	50 - 124
Methyl tert-butyl ether	ND		2750	2920		ug/Kg	☼	107	60 - 130
Methylcyclohexane	ND		2750	3130		ug/Kg	☼	114	67 - 150
Methylene Chloride	ND		2750	2660		ug/Kg	☼	97	63 - 138
Styrene	ND		2750	2600		ug/Kg	☼	95	68 - 137
Tetrachloroethene	ND		2750	2710		ug/Kg	☼	99	67 - 150
Toluene	ND		2750	2840		ug/Kg	☼	103	68 - 137
trans-1,2-Dichloroethene	ND		2750	2690		ug/Kg	☼	98	65 - 138
trans-1,3-Dichloropropene	ND		2750	2460		ug/Kg	☼	90	58 - 143
Trichloroethene	69000		2750	42200	4	ug/Kg	☼	-983	69 - 143
Trichlorofluoromethane	ND		2750	4030		ug/Kg	☼	147	35 - 150
Vinyl chloride	ND		2750	4080		ug/Kg	☼	148	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*90*		*50 - 149*

Lab Sample ID: 480-186496-8 MSD
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: D-66 (12.8-13.2)
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2730	2710		ug/Kg	☼	99	64 - 142	1	20
1,1,2,2-Tetrachloroethane	ND		2730	2900		ug/Kg	☼	106	56 - 128	3	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2730	3020		ug/Kg	☼	111	64 - 154	7	20
1,1,2-Trichloroethane	ND		2730	2790		ug/Kg	☼	102	63 - 133	1	20
1,1-Dichloroethane	ND		2730	2960		ug/Kg	☼	109	64 - 135	5	20
1,1-Dichloroethene	ND		2730	3340		ug/Kg	☼	122	62 - 145	8	20
1,2,4-Trichlorobenzene	ND		2730	2780		ug/Kg	☼	102	56 - 145	7	20
1,2-Dibromo-3-Chloropropane	ND	F2	2730	2610	F2	ug/Kg	☼	96	40 - 122	34	20
1,2-Dibromoethane	ND		2730	2870		ug/Kg	☼	105	65 - 133	1	20
1,2-Dichlorobenzene	ND		2730	2780		ug/Kg	☼	102	68 - 133	7	20
1,2-Dichloroethane	ND		2730	2750		ug/Kg	☼	101	62 - 135	4	20
1,2-Dichloropropane	ND		2730	2550		ug/Kg	☼	93	67 - 139	10	20
1,3-Dichlorobenzene	ND		2730	2620		ug/Kg	☼	96	68 - 136	12	20
1,4-Dichlorobenzene	ND		2730	2540		ug/Kg	☼	93	69 - 136	0	20
2-Butanone (MEK)	ND		13600	13700		ug/Kg	☼	100	46 - 132	3	20
2-Hexanone	ND		13600	13100		ug/Kg	☼	96	44 - 130	7	20

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

Lab Sample ID: 480-186496-8 MSD
Matrix: Solid
Analysis Batch: 587173

Client Sample ID: D-66 (12.8-13.2)
Prep Type: Total/NA
Prep Batch: 586924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		13600	13400		ug/Kg	☼	98	49 - 125	10	20
Acetone	ND		13600	15200		ug/Kg	☼	111	32 - 136	9	20
Benzene	ND		2730	2880		ug/Kg	☼	105	68 - 137	4	20
Bromodichloromethane	ND		2730	2560		ug/Kg	☼	94	62 - 136	1	20
Bromoform	ND		2730	2140		ug/Kg	☼	78	43 - 134	11	20
Bromomethane	ND	F1	2730	4220	F1	ug/Kg	☼	154	38 - 137	11	20
Carbon disulfide	ND		2730	2750		ug/Kg	☼	101	52 - 139	3	20
Carbon tetrachloride	ND		2730	2580		ug/Kg	☼	95	60 - 150	7	20
Chlorobenzene	ND		2730	2800		ug/Kg	☼	103	67 - 136	4	20
Chloroethane	ND	F1	2730	4640	F1	ug/Kg	☼	170	34 - 140	11	20
Chloroform	ND		2730	2980		ug/Kg	☼	109	64 - 133	11	20
Chloromethane	ND		2730	3650		ug/Kg	☼	134	47 - 143	1	20
cis-1,2-Dichloroethene	ND		2730	3100		ug/Kg	☼	114	65 - 137	5	20
cis-1,3-Dichloropropene	ND		2730	2700		ug/Kg	☼	99	61 - 148	2	20
Cyclohexane	ND		2730	2860		ug/Kg	☼	105	63 - 149	7	20
Dibromochloromethane	ND		2730	2480		ug/Kg	☼	91	57 - 137	2	20
Dichlorodifluoromethane	ND		2730	2990		ug/Kg	☼	110	26 - 150	8	20
Ethylbenzene	ND		2730	2970		ug/Kg	☼	109	67 - 136	7	20
Isopropylbenzene	ND		2730	2800		ug/Kg	☼	103	65 - 147	3	20
Methyl acetate	ND		5460	ND		ug/Kg	☼	99	50 - 124	9	20
Methyl tert-butyl ether	ND		2730	2970		ug/Kg	☼	109	60 - 130	2	20
Methylcyclohexane	ND		2730	2980		ug/Kg	☼	109	67 - 150	5	20
Methylene Chloride	ND		2730	2790		ug/Kg	☼	102	63 - 138	5	20
Styrene	ND		2730	2510		ug/Kg	☼	92	68 - 137	3	20
Tetrachloroethene	ND		2730	2390		ug/Kg	☼	88	67 - 150	12	20
Toluene	ND		2730	2880		ug/Kg	☼	106	68 - 137	2	20
trans-1,2-Dichloroethene	ND		2730	2630		ug/Kg	☼	96	65 - 138	2	20
trans-1,3-Dichloropropene	ND		2730	2500		ug/Kg	☼	91	58 - 143	1	20
Trichloroethene	69000		2730	43700	4	ug/Kg	☼	-936	69 - 143	3	20
Trichlorofluoromethane	ND		2730	4040		ug/Kg	☼	148	35 - 150	0	20
Vinyl chloride	ND		2730	3980		ug/Kg	☼	146	56 - 150	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Dibromofluoromethane (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*96*		*50 - 149*

GC/MS VOA

Prep Batch: 586924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186496-1	D-64 (16.5-16.8)	Total/NA	Solid	5035A_H	
480-186496-2	D-64 (32-32.5)	Total/NA	Solid	5035A_H	
480-186496-3	D-65 (13.1-13.4)	Total/NA	Solid	5035A_H	
480-186496-4	D-65 (14.4-14.6)	Total/NA	Solid	5035A_H	
480-186496-5	D-65 (18.8-19.2)	Total/NA	Solid	5035A_H	
480-186496-6	D-65 (32-32.5)	Total/NA	Solid	5035A_H	
480-186496-7	D-65 (29.6-30)	Total/NA	Solid	5035A_H	
480-186496-8	D-66 (12.8-13.2)	Total/NA	Solid	5035A_H	
MB 480-586924/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-586924/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186496-8 MS	D-66 (12.8-13.2)	Total/NA	Solid	5035A_H	
480-186496-8 MSD	D-66 (12.8-13.2)	Total/NA	Solid	5035A_H	

Analysis Batch: 587173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186496-1	D-64 (16.5-16.8)	Total/NA	Solid	8260C	586924
480-186496-2	D-64 (32-32.5)	Total/NA	Solid	8260C	586924
480-186496-3	D-65 (13.1-13.4)	Total/NA	Solid	8260C	586924
480-186496-4	D-65 (14.4-14.6)	Total/NA	Solid	8260C	586924
480-186496-5	D-65 (18.8-19.2)	Total/NA	Solid	8260C	586924
480-186496-6	D-65 (32-32.5)	Total/NA	Solid	8260C	586924
480-186496-7	D-65 (29.6-30)	Total/NA	Solid	8260C	586924
480-186496-8	D-66 (12.8-13.2)	Total/NA	Solid	8260C	586924
MB 480-586924/2-A	Method Blank	Total/NA	Solid	8260C	586924
LCS 480-586924/1-A	Lab Control Sample	Total/NA	Solid	8260C	586924
480-186496-8 MS	D-66 (12.8-13.2)	Total/NA	Solid	8260C	586924
480-186496-8 MSD	D-66 (12.8-13.2)	Total/NA	Solid	8260C	586924

General Chemistry

Analysis Batch: 586878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186496-1	D-64 (16.5-16.8)	Total/NA	Solid	Moisture	
480-186496-2	D-64 (32-32.5)	Total/NA	Solid	Moisture	
480-186496-3	D-65 (13.1-13.4)	Total/NA	Solid	Moisture	
480-186496-4	D-65 (14.4-14.6)	Total/NA	Solid	Moisture	
480-186496-5	D-65 (18.8-19.2)	Total/NA	Solid	Moisture	
480-186496-6	D-65 (32-32.5)	Total/NA	Solid	Moisture	
480-186496-7	D-65 (29.6-30)	Total/NA	Solid	Moisture	
480-186496-8	D-66 (12.8-13.2)	Total/NA	Solid	Moisture	

Client Sample ID: D-64 (16.5-16.8) — **Lab Sample ID: 480-186496-1**
Date Collected: 06/23/21 10:50 — **Matrix: Solid**
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-64 (16.5-16.8) — **Lab Sample ID: 480-186496-1**
Date Collected: 06/23/21 10:50 — **Matrix: Solid**
Date Received: 06/24/21 10:00 — **Percent Solids: 89.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587173	06/28/21 16:38	WJD	TAL BUF

Client Sample ID: D-64 (32-32.5) — **Lab Sample ID: 480-186496-2**
Date Collected: 06/23/21 10:35 — **Matrix: Solid**
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-64 (32-32.5) — **Lab Sample ID: 480-186496-2**
Date Collected: 06/23/21 10:35 — **Matrix: Solid**
Date Received: 06/24/21 10:00 — **Percent Solids: 90.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		2	587173	06/28/21 17:02	WJD	TAL BUF

Client Sample ID: D-65 (13.1-13.4) — **Lab Sample ID: 480-186496-3**
Date Collected: 06/23/21 12:45 — **Matrix: Solid**
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-65 (13.1-13.4) — **Lab Sample ID: 480-186496-3**
Date Collected: 06/23/21 12:45 — **Matrix: Solid**
Date Received: 06/24/21 10:00 — **Percent Solids: 81.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		4	587173	06/28/21 17:25	WJD	TAL BUF

Client Sample ID: D-65 (14.4-14.6) — **Lab Sample ID: 480-186496-4**
Date Collected: 06/23/21 11:35 — **Matrix: Solid**
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Client Sample ID: D-65 (14.4-14.6)

Lab Sample ID: 480-186496-4

Date Collected: 06/23/21 11:35
Matrix: Solid
Date Received: 06/24/21 10:00
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		50	587173	06/28/21 17:48	WJD	TAL BUF

Client Sample ID: D-65 (18.8-19.2)

Lab Sample ID: 480-186496-5

Date Collected: 06/23/21 13:10
Matrix: Solid
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-65 (18.8-19.2)

Lab Sample ID: 480-186496-5

Date Collected: 06/23/21 13:10
Matrix: Solid
Date Received: 06/24/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		40	587173	06/28/21 18:12	WJD	TAL BUF

Client Sample ID: D-65 (32-32.5)

Lab Sample ID: 480-186496-6

Date Collected: 06/23/21 12:30
Matrix: Solid
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-65 (32-32.5)

Lab Sample ID: 480-186496-6

Date Collected: 06/23/21 12:30
Matrix: Solid
Date Received: 06/24/21 10:00
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587173	06/28/21 18:35	WJD	TAL BUF

Client Sample ID: D-65 (29.6-30)

Lab Sample ID: 480-186496-7

Date Collected: 06/23/21 14:25
Matrix: Solid
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Job ID: 480-186496-1
Project/Site: GTEOSI - Seneca Falls

Client Sample ID: D-65 (29.6-30)
Lab Sample ID: 480-186496-7

Date Collected: 06/23/21 14:25
Matrix: Solid
Date Received: 06/24/21 10:00
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587173	06/28/21 12:24	WJD	TAL BUF

Client Sample ID: D-66 (12.8-13.2)
Lab Sample ID: 480-186496-8

Date Collected: 06/23/21 16:00
Matrix: Solid
Date Received: 06/24/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	586878	06/24/21 15:58	IMZ	TAL BUF

Client Sample ID: D-66 (12.8-13.2)
Lab Sample ID: 480-186496-8

Date Collected: 06/23/21 16:00
Matrix: Solid
Date Received: 06/24/21 10:00
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			586924	06/24/21 23:49	CDC	TAL BUF
Total/NA	Analysis	8260C		10	587173	06/28/21 18:58	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186496-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186496-1	D-64 (16.5-16.8)	Solid	06/23/21 10:50	06/24/21 10:00	
480-186496-2	D-64 (32-32.5)	Solid	06/23/21 10:35	06/24/21 10:00	
480-186496-3	D-65 (13.1-13.4)	Solid	06/23/21 12:45	06/24/21 10:00	
480-186496-4	D-65 (14.4-14.6)	Solid	06/23/21 11:35	06/24/21 10:00	
480-186496-5	D-65 (18.8-19.2)	Solid	06/23/21 13:10	06/24/21 10:00	
480-186496-6	D-65 (32-32.5)	Solid	06/23/21 12:30	06/24/21 10:00	
480-186496-7	D-65 (29.6-30)	Solid	06/23/21 14:25	06/24/21 10:00	
480-186496-8	D-66 (12.8-13.2)	Solid	06/23/21 16:00	06/24/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 1
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

480-186496 Chain of Custody

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
- Amchlor
- Ascorbic Acid
- Ice
- DI Water
- EDTA
- EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Numbe	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-64(16.5-16.8)	6/23/21	1050	G	Solid			X			1	
D-64(32-32.5)	6/23/21	1055	G	Solid			X			1	
D-65(13.1-13.4)	6/23/21	1245	G	Solid			X			1	
D-65(14.4-14.6)	6/23/21	1135	G	Solid			X			1	
D-65(18.8-19.2)	6/23/21	1310	G	Solid			X			1	
D-65(32-32.5)	6/23/21	1230	G	Solid			X			1	
D-65(29.6-30)	6/23/21	1425	G	Solid			X			1	
D-66(12.8-13.2)	6/23/21	1600	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company	Received by	Date/Time	Company
Relinquished by: Ryan Clare	6/23/21 1830	Arcadis		6/24/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 3.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186496-1

Login Number: 186496

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186546-1
Client Project/Site: GTEOSI - Seneca Falls

For:
ARCADIS U.S. Inc
855 Route 146
Suite 210
Clifton Park, New York 12065

Attn: Mark Flusche

Authorized for release by:
7/12/2021 12:40:46 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

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

Job ID: 480-186546-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-186546-1

Comments
No additional comments.

Receipt
The samples were received on 6/25/2021 10:00 AM and 6/26/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.3º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-71 (10.3-10.7) (480-186546-3), D-71 (10.9-11.5) (480-186546-4), D-71 (10.9-11.5) (480-186546-4[MS]), D-71 (10.9-11.5 (480-186546-4[MSD]), D-71 (26.3-27) (480-186546-5), D-71 (30.1-3.07) (480-186546-6), D-78 (27.4-27.8) (480-186546-10), D-78 (31.3-31.8) (480-186546-11) and D-53 (31.7-32) (480-186546-12). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and was diluted due to the nature of the sample matrix: D-78 (2.8-3) (480-186546-8). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the high concentration Trichloroethene as well as the non-homogeneity of the soil matrix, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 480-587318 and analytical batch 480-587336 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria. The associated samples are: D-71 (10.9-11.5) (480-186546-4[MS]) and D-71 (10.9-11.5 (480-186546-4[MSD]).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted due to the abundance of target analytes : D-71 (10.9-11.5) (480-186546-4[MS]) and D-71 (10.9-11.5 (480-186546-4[MSD]). Because of this dilution, the matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-587334 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCVIS were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: D-52 (24-25.5) (480-186593-1), D-52 (28-28.4) (480-186593-2), D-51 (20-20.7) (480-186593-3), D-51 (31.6-32) (480-186593-4), DUP-05-20210625 (480-186593-7), DUP-06-20210625 (480-186593-8), D-78 (2.8-3.1) (480-186593-9) and D-78 (1.9-2.2) (480-186593-10).

Method 8260C: The following samples were analyzed using medium level soil analysis and were diluted to bring the concentration of target analytes within the calibration range: D-52 (24-25.5) (480-186593-1), D-52 (24-25.5) MS (480-186593-1[MS]), D-52 (24-25.5) MSD (480-186593-1[MSD]), D-52 (28-28.4) (480-186593-2), D-51 (31.6-32) (480-186593-4), D-51 (31.6-32) MS (480-186593-4[MS]), D-51 (31.6-32) MSD (480-186593-4[MSD]), DUP-06-20210625 (480-186593-8), D-78 (2.8-3.1) (480-186593-9) and D-78 (1.9-2.2) (480-186593-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and was diluted to bring the concentration of target analytes within the calibration range: D-53 (28-28.3) (480-186546-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-77 (31.2-31.8) (480-186546-1), DUP-04-20210624 (480-186546-9) and D-53 (28-28.3) (480-186546-13). Elevated reporting limits (RLs) are provided.

Method 8260C: following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: D-51 (20-20.7) (480-186593-3) and D-78 (1.9-2.2) (480-186593-10). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-587538 recovered above the upper control limit for 1,1,2-Trichloro-1,2,2-trifluoroethane. The sample associated with this CCV was non-detects for the affected analyte; therefore, the data have been reported. The associated samples are impacted: D-53 (28-28.3) (480-186546-13), EB-06-20210625 (480-186593-5) and TRIP BLANK-20210625 (480-186593-6).

Job ID: 480-186546-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

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

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

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-77 (31.2-31.8) — Lab Sample ID: 480-186546-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	2400		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-71 (8-8.5) — Lab Sample ID: 480-186546-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Total Organic Matter	2.1		0.5		%	1		ASTM D2974	Total/NA
Ash Content	97.9		0.5		%	1		ASTM D2974	Total/NA
Moisture Content	13.9		0.5		%	1		ASTM D2974	Total/NA

Client Sample ID: D-71 (10.3-10.7) — Lab Sample ID: 480-186546-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	550000		9400		ug/Kg	80	☼	8260C	Total/NA

Client Sample ID: D-71 (10.9-11.5) — Lab Sample ID: 480-186546-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	300000		4900		ug/Kg	40	☼	8260C	Total/NA

Client Sample ID: D-71 (26.3-27) — Lab Sample ID: 480-186546-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	550000		7000		ug/Kg	50	☼	8260C	Total/NA
Trichloroethene	280000		7000		ug/Kg	50	☼	8260C	Total/NA

Client Sample ID: D-71 (30.1-3.07) — Lab Sample ID: 480-186546-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	47000		1000		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: EB-04-20210624 — Lab Sample ID: 480-186546-7

No Detections.

Client Sample ID: D-78 (2.8-3) — Lab Sample ID: 480-186546-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1900		960		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: DUP-04-20210624 — Lab Sample ID: 480-186546-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1700		110		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-78 (27.4-27.8) — Lab Sample ID: 480-186546-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	12000		580		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-78 (31.3-31.8) — Lab Sample ID: 480-186546-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2-Trichloro-1,2,2-trifluoroethane	240000		2800		ug/Kg	20	☼	8260C	Total/NA
Trichloroethene	160000		2800		ug/Kg	20	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-53 (31.7-32) — Lab Sample ID: 480-186546-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	46000		500		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-53 (28-28.3) — Lab Sample ID: 480-186546-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	14000	E	130		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene - DL	13000		260		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: EB-05-20210624 — Lab Sample ID: 480-186546-14

No Detections.

Client Sample ID: TRIP BLANK-20210624 — Lab Sample ID: 480-186546-15

No Detections.

Client Sample ID: D-52 (24-25.5) — Lab Sample ID: 480-186593-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1100		450		ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	21000		450		ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: D-52 (28-28.4) — Lab Sample ID: 480-186593-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	720		270		ug/Kg	2	☼	8260C	Total/NA
Trichloroethene	8800		270		ug/Kg	2	☼	8260C	Total/NA

Client Sample ID: D-51 (20-20.7) — Lab Sample ID: 480-186593-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	160		120		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	560		120		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: D-51 (31.6-32) — Lab Sample ID: 480-186593-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	56000		1100		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: EB-06-20210625 — Lab Sample ID: 480-186593-5

No Detections.

Client Sample ID: TRIP BLANK-20210625 — Lab Sample ID: 480-186593-6

No Detections.

Client Sample ID: DUP-05-20210625 — Lab Sample ID: 480-186593-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	860		140		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	12000		140		ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: DUP-06-20210625 — Lab Sample ID: 480-186593-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1300		1100		ug/Kg	8	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: DUP-06-20210625 (Continued) — Lab Sample ID: 480-186593-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	88000		1100		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-78 (2.8-3.1) — Lab Sample ID: 480-186593-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	1300		1000		ug/Kg	8	☼	8260C	Total/NA

Client Sample ID: D-78 (1.9-2.2) — Lab Sample ID: 480-186593-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	220		130		ug/Kg	1	☼	8260C	Total/NA
Toluene	650		130		ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	760		130		ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-77 (31.2-31.8)
Date Collected: 06/24/21 09:05
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-1
Matrix: Solid
Percent Solids: 86.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
2-Butanone (MEK)	ND		610		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
2-Hexanone	ND		610		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		610		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Acetone	ND		610		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Benzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Bromodichloromethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Bromoform	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Bromomethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Carbon disulfide	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Carbon tetrachloride	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Chlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Chloroethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Chloroform	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Chloromethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
cis-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Cyclohexane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Dibromochloromethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Ethylbenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Isopropylbenzene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Methyl acetate	ND		610		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Methylcyclohexane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Methylene Chloride	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Styrene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Tetrachloroethene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Toluene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Trichloroethene	**2400**		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Vinyl chloride	ND		120		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1
Xylenes, Total	ND		240		ug/Kg	☼	06/28/21 22:05	06/29/21 12:56	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-77 (31.2-31.8)
Date Collected: 06/24/21 09:05
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-1
Matrix: Solid
Percent Solids: 86.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/28/21 22:05	06/29/21 12:56	1
4-Bromofluorobenzene (Surr)	98		49 - 148	06/28/21 22:05	06/29/21 12:56	1
Dibromofluoromethane (Surr)	98		60 - 140	06/28/21 22:05	06/29/21 12:56	1
Toluene-d8 (Surr)	91		50 - 149	06/28/21 22:05	06/29/21 12:56	1

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (8-8.5)

Date Collected: 06/24/21 10:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-2

Matrix: Solid

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Matter	2.1		0.5		%			07/09/21 18:42	1
Ash Content	97.9		0.5		%			07/09/21 18:42	1
Moisture Content	13.9		0.5		%			07/09/21 18:42	1

Client Sample ID: D-71 (10.3-10.7)
Date Collected: 06/24/21 09:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-3
Matrix: Solid
Percent Solids: 88.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,1,2,2-Tetrachloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,1,2-Trichloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,1-Dichloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,1-Dichloroethene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2,4-Trichlorobenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2-Dibromo-3-Chloropropane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2-Dibromoethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2-Dichlorobenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2-Dichloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,2-Dichloropropane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,3-Dichlorobenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
1,4-Dichlorobenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
2-Butanone (MEK)	ND		47000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
2-Hexanone	ND		47000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
4-Methyl-2-pentanone (MIBK)	ND		47000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Acetone	ND		47000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Benzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Bromodichloromethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Bromoform	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Bromomethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Carbon disulfide	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Carbon tetrachloride	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Chlorobenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Chloroethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Chloroform	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Chloromethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
cis-1,2-Dichloroethene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
cis-1,3-Dichloropropene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Cyclohexane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Dibromochloromethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Dichlorodifluoromethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Ethylbenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Isopropylbenzene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Methyl acetate	ND		47000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Methyl tert-butyl ether	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Methylcyclohexane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Methylene Chloride	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Styrene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Tetrachloroethene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Toluene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
trans-1,2-Dichloroethene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
trans-1,3-Dichloropropene	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Trichloroethene	**550000**		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Trichlorofluoromethane	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Vinyl chloride	ND		9400		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80
Xylenes, Total	ND		19000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:19	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (10.3-10.7)
Date Collected: 06/24/21 09:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-3
Matrix: Solid
Percent Solids: 88.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/28/21 22:05	06/29/21 13:19	80
4-Bromofluorobenzene (Surr)	101		49 - 148	06/28/21 22:05	06/29/21 13:19	80
Dibromofluoromethane (Surr)	100		60 - 140	06/28/21 22:05	06/29/21 13:19	80
Toluene-d8 (Surr)	91		50 - 149	06/28/21 22:05	06/29/21 13:19	80

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (10.9-11.5)
Date Collected: 06/24/21 10:50
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-4
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,1,2,2-Tetrachloroethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,1,2-Trichloroethane	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,1-Dichloroethane	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,1-Dichloroethene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2,4-Trichlorobenzene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2-Dibromo-3-Chloropropane	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2-Dibromoethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2-Dichlorobenzene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2-Dichloroethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,2-Dichloropropane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,3-Dichlorobenzene	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
1,4-Dichlorobenzene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
2-Butanone (MEK)	ND		24000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
2-Hexanone	ND		24000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
4-Methyl-2-pentanone (MIBK)	ND		24000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Acetone	ND		24000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Benzene	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Bromodichloromethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Bromoform	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Bromomethane	ND	F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Carbon disulfide	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Carbon tetrachloride	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Chlorobenzene	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Chloroethane	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Chloroform	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Chloromethane	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
cis-1,2-Dichloroethene	ND	F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
cis-1,3-Dichloropropene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Cyclohexane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Dibromochloromethane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Dichlorodifluoromethane	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Ethylbenzene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Isopropylbenzene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Methyl acetate	ND	F1	24000		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Methyl tert-butyl ether	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Methylcyclohexane	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Methylene Chloride	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Styrene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Tetrachloroethene	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Toluene	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
trans-1,2-Dichloroethene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
trans-1,3-Dichloropropene	ND		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Trichloroethene	**300000**		4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Trichlorofluoromethane	ND	F2	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Vinyl chloride	ND	F2 F1	4900		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40
Xylenes, Total	ND	F1	9700		ug/Kg	☼	06/28/21 22:05	06/29/21 13:42	40

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (10.9-11.5)
Date Collected: 06/24/21 10:50
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-4
Matrix: Solid
Percent Solids: 86.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		53 - 146	06/28/21 22:05	06/29/21 13:42	40
4-Bromofluorobenzene (Surr)	102		49 - 148	06/28/21 22:05	06/29/21 13:42	40
Dibromofluoromethane (Surr)	96		60 - 140	06/28/21 22:05	06/29/21 13:42	40
Toluene-d8 (Surr)	91		50 - 149	06/28/21 22:05	06/29/21 13:42	40

Client Sample ID: D-71 (26.3-27)
Date Collected: 06/24/21 10:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-5
Matrix: Solid
Percent Solids: 77.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,1,2,2-Tetrachloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,1,2-Trichloro-1,2,2-trifluoroethane	**550000**		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,1,2-Trichloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,1-Dichloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,1-Dichloroethene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2,4-Trichlorobenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2-Dibromo-3-Chloropropane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2-Dibromoethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2-Dichlorobenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2-Dichloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,2-Dichloropropane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,3-Dichlorobenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
1,4-Dichlorobenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
2-Butanone (MEK)	ND		35000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
2-Hexanone	ND		35000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
4-Methyl-2-pentanone (MIBK)	ND		35000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Acetone	ND		35000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Benzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Bromodichloromethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Bromoform	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Bromomethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Carbon disulfide	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Carbon tetrachloride	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Chlorobenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Chloroethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Chloroform	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Chloromethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
cis-1,2-Dichloroethene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
cis-1,3-Dichloropropene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Cyclohexane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Dibromochloromethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Dichlorodifluoromethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Ethylbenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Isopropylbenzene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Methyl acetate	ND		35000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Methyl tert-butyl ether	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Methylcyclohexane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Methylene Chloride	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Styrene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Tetrachloroethene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Toluene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
trans-1,2-Dichloroethene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
trans-1,3-Dichloropropene	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Trichloroethene	**280000**		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Trichlorofluoromethane	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Vinyl chloride	ND		7000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50
Xylenes, Total	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:05	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (26.3-27)
Date Collected: 06/24/21 10:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-5
Matrix: Solid
Percent Solids: 77.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/28/21 22:05	06/29/21 14:05	50
4-Bromofluorobenzene (Surr)	100		49 - 148	06/28/21 22:05	06/29/21 14:05	50
Dibromofluoromethane (Surr)	99		60 - 140	06/28/21 22:05	06/29/21 14:05	50
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:05	06/29/21 14:05	50

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (30.1-3.07)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-6
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,1-Dichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,1-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2-Dibromoethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2-Dichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,2-Dichloropropane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
2-Butanone (MEK)	ND		5000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
2-Hexanone	ND		5000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
4-Methyl-2-pentanone (MIBK)	ND		5000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Acetone	ND		5000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Benzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Bromodichloromethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Bromoform	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Bromomethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Carbon disulfide	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Carbon tetrachloride	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Chlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Chloroethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Chloroform	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Chloromethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Cyclohexane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Dibromochloromethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Ethylbenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Isopropylbenzene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Methyl acetate	ND		5000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Methylcyclohexane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Methylene Chloride	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Styrene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Tetrachloroethene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Toluene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
trans-1,3-Dichloropropene	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Trichloroethene	**47000**		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Trichlorofluoromethane	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Vinyl chloride	ND		1000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8
Xylenes, Total	ND		2000		ug/Kg	☼	06/28/21 22:05	06/29/21 14:29	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-71 (30.1-3.07)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-6
Matrix: Solid
Percent Solids: 83.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/28/21 22:05	06/29/21 14:29	8
4-Bromofluorobenzene (Surr)	100		49 - 148	06/28/21 22:05	06/29/21 14:29	8
Dibromofluoromethane (Surr)	102		60 - 140	06/28/21 22:05	06/29/21 14:29	8
Toluene-d8 (Surr)	92		50 - 149	06/28/21 22:05	06/29/21 14:29	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-04-20210624
Date Collected: 06/24/21 11:15
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 03:58	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 03:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 03:58	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 03:58	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 03:58	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 03:58	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 03:58	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 03:58	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 03:58	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 03:58	1
2-Hexanone	ND		5.0		ug/L			06/30/21 03:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 03:58	1
Acetone	ND		10		ug/L			06/30/21 03:58	1
Benzene	ND		1.0		ug/L			06/30/21 03:58	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 03:58	1
Bromoform	ND		1.0		ug/L			06/30/21 03:58	1
Bromomethane	ND		1.0		ug/L			06/30/21 03:58	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 03:58	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 03:58	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 03:58	1
Chloroethane	ND		1.0		ug/L			06/30/21 03:58	1
Chloroform	ND		1.0		ug/L			06/30/21 03:58	1
Chloromethane	ND		1.0		ug/L			06/30/21 03:58	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 03:58	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 03:58	1
Cyclohexane	ND		1.0		ug/L			06/30/21 03:58	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 03:58	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 03:58	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 03:58	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 03:58	1
Methyl acetate	ND		2.5		ug/L			06/30/21 03:58	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 03:58	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 03:58	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 03:58	1
Styrene	ND		1.0		ug/L			06/30/21 03:58	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 03:58	1
Toluene	ND		1.0		ug/L			06/30/21 03:58	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 03:58	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 03:58	1
Trichloroethene	ND		1.0		ug/L			06/30/21 03:58	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 03:58	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 03:58	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 03:58	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-04-20210624
Date Collected: 06/24/21 11:15
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/30/21 03:58	1
4-Bromofluorobenzene (Surr)	105		73 - 120		06/30/21 03:58	1
Dibromofluoromethane (Surr)	102		75 - 123		06/30/21 03:58	1
Toluene-d8 (Surr)	93		80 - 120		06/30/21 03:58	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (2.8-3)
Date Collected: 06/24/21 11:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-8
Matrix: Solid
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,1,2,2-Tetrachloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,1,2-Trichloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,1-Dichloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,1-Dichloroethene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2,4-Trichlorobenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2-Dibromo-3-Chloropropane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2-Dibromoethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2-Dichlorobenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2-Dichloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,2-Dichloropropane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,3-Dichlorobenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
1,4-Dichlorobenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
2-Butanone (MEK)	ND		4800		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
2-Hexanone	ND		4800		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
4-Methyl-2-pentanone (MIBK)	ND		4800		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Acetone	ND		4800		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Benzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Bromodichloromethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Bromoform	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Bromomethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Carbon disulfide	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Carbon tetrachloride	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Chlorobenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Chloroethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Chloroform	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Chloromethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
cis-1,2-Dichloroethene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
cis-1,3-Dichloropropene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Cyclohexane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Dibromochloromethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Dichlorodifluoromethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Ethylbenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Isopropylbenzene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Methyl acetate	ND		4800		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Methyl tert-butyl ether	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Methylcyclohexane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Methylene Chloride	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Styrene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Tetrachloroethene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Toluene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
trans-1,2-Dichloroethene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
trans-1,3-Dichloropropene	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Trichloroethene	**1900**		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Trichlorofluoromethane	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Vinyl chloride	ND		960		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8
Xylenes, Total	ND		1900		ug/Kg	☼	06/28/21 22:05	06/29/21 14:52	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (2.8-3)
Date Collected: 06/24/21 11:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-8
Matrix: Solid
Percent Solids: 85.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	06/28/21 22:05	06/29/21 14:52	8
4-Bromofluorobenzene (Surr)	105		49 - 148	06/28/21 22:05	06/29/21 14:52	8
Dibromofluoromethane (Surr)	103		60 - 140	06/28/21 22:05	06/29/21 14:52	8
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:05	06/29/21 14:52	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-04-20210624
Date Collected: 06/24/21 00:00
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-9
Matrix: Solid
Percent Solids: 92.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,1,2,2-Tetrachloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,1,2-Trichloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,1-Dichloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,1-Dichloroethene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2,4-Trichlorobenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2-Dibromo-3-Chloropropane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2-Dibromoethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2-Dichlorobenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2-Dichloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,2-Dichloropropane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,3-Dichlorobenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
1,4-Dichlorobenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
2-Butanone (MEK)	ND		560		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
2-Hexanone	ND		560		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
4-Methyl-2-pentanone (MIBK)	ND		560		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Acetone	ND		560		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Benzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Bromodichloromethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Bromoform	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Bromomethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Carbon disulfide	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Carbon tetrachloride	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Chlorobenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Chloroethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Chloroform	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Chloromethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
cis-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
cis-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Cyclohexane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Dibromochloromethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Dichlorodifluoromethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Ethylbenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Isopropylbenzene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Methyl acetate	ND		560		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Methyl tert-butyl ether	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Methylcyclohexane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Methylene Chloride	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Styrene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Tetrachloroethene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Toluene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
trans-1,2-Dichloroethene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
trans-1,3-Dichloropropene	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Trichloroethene	**1700**		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Trichlorofluoromethane	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Vinyl chloride	ND		110		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1
Xylenes, Total	ND		220		ug/Kg	☼	06/28/21 22:05	06/29/21 15:15	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-04-20210624
Date Collected: 06/24/21 00:00
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-9
Matrix: Solid
Percent Solids: 92.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		53 - 146	06/28/21 22:05	06/29/21 15:15	1
4-Bromofluorobenzene (Surr)	101		49 - 148	06/28/21 22:05	06/29/21 15:15	1
Dibromofluoromethane (Surr)	95		60 - 140	06/28/21 22:05	06/29/21 15:15	1
Toluene-d8 (Surr)	90		50 - 149	06/28/21 22:05	06/29/21 15:15	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (27.4-27.8)
Date Collected: 06/24/21 12:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-10
Matrix: Solid
Percent Solids: 75.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,1,2,2-Tetrachloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,1,2-Trichloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,1-Dichloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,1-Dichloroethene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2,4-Trichlorobenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2-Dibromo-3-Chloropropane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2-Dibromoethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2-Dichlorobenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2-Dichloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,2-Dichloropropane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,3-Dichlorobenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
1,4-Dichlorobenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
2-Butanone (MEK)	ND		2900		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
2-Hexanone	ND		2900		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
4-Methyl-2-pentanone (MIBK)	ND		2900		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Acetone	ND		2900		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Benzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Bromodichloromethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Bromoform	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Bromomethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Carbon disulfide	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Carbon tetrachloride	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Chlorobenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Chloroethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Chloroform	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Chloromethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
cis-1,2-Dichloroethene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
cis-1,3-Dichloropropene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Cyclohexane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Dibromochloromethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Dichlorodifluoromethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Ethylbenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Isopropylbenzene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Methyl acetate	ND		2900		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Methyl tert-butyl ether	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Methylcyclohexane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Methylene Chloride	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Styrene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Tetrachloroethene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Toluene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
trans-1,2-Dichloroethene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
trans-1,3-Dichloropropene	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Trichloroethene	**12000**		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Trichlorofluoromethane	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Vinyl chloride	ND		580		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4
Xylenes, Total	ND		1200		ug/Kg	☼	06/28/21 22:05	06/29/21 15:38	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (27.4-27.8)
Date Collected: 06/24/21 12:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-10
Matrix: Solid
Percent Solids: 75.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/28/21 22:05	06/29/21 15:38	4
4-Bromofluorobenzene (Surr)	103		49 - 148	06/28/21 22:05	06/29/21 15:38	4
Dibromofluoromethane (Surr)	96		60 - 140	06/28/21 22:05	06/29/21 15:38	4
Toluene-d8 (Surr)	94		50 - 149	06/28/21 22:05	06/29/21 15:38	4

Client Sample ID: D-78 (31.3-31.8)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-11
Matrix: Solid
Percent Solids: 78.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,1,2,2-Tetrachloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,1,2-Trichloro-1,2,2-trifluoroethane	**240000**		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,1,2-Trichloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,1-Dichloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,1-Dichloroethene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2,4-Trichlorobenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2-Dibromo-3-Chloropropane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2-Dibromoethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2-Dichlorobenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2-Dichloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,2-Dichloropropane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,3-Dichlorobenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
1,4-Dichlorobenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
2-Butanone (MEK)	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
2-Hexanone	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
4-Methyl-2-pentanone (MIBK)	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Acetone	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Benzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Bromodichloromethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Bromoform	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Bromomethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Carbon disulfide	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Carbon tetrachloride	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Chlorobenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Chloroethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Chloroform	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Chloromethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
cis-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
cis-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Cyclohexane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Dibromochloromethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Dichlorodifluoromethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Ethylbenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Isopropylbenzene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Methyl acetate	ND		14000		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Methyl tert-butyl ether	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Methylcyclohexane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Methylene Chloride	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Styrene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Tetrachloroethene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Toluene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
trans-1,2-Dichloroethene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
trans-1,3-Dichloropropene	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Trichloroethene	**160000**		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Trichlorofluoromethane	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Vinyl chloride	ND		2800		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20
Xylenes, Total	ND		5500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:00	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (31.3-31.8)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-11
Matrix: Solid
Percent Solids: 78.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/28/21 22:05	06/29/21 16:00	20
4-Bromofluorobenzene (Surr)	100		49 - 148	06/28/21 22:05	06/29/21 16:00	20
Dibromofluoromethane (Surr)	101		60 - 140	06/28/21 22:05	06/29/21 16:00	20
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:05	06/29/21 16:00	20

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-53 (31.7-32)
Date Collected: 06/24/21 14:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-12
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,1,2,2-Tetrachloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,1,2-Trichloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,1-Dichloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,1-Dichloroethene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2,4-Trichlorobenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2-Dibromo-3-Chloropropane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2-Dibromoethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2-Dichlorobenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2-Dichloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,2-Dichloropropane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,3-Dichlorobenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
1,4-Dichlorobenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
2-Butanone (MEK)	ND		2500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
2-Hexanone	ND		2500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
4-Methyl-2-pentanone (MIBK)	ND		2500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Acetone	ND		2500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Benzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Bromodichloromethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Bromoform	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Bromomethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Carbon disulfide	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Carbon tetrachloride	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Chlorobenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Chloroethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Chloroform	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Chloromethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
cis-1,2-Dichloroethene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
cis-1,3-Dichloropropene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Cyclohexane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Dibromochloromethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Dichlorodifluoromethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Ethylbenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Isopropylbenzene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Methyl acetate	ND		2500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Methyl tert-butyl ether	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Methylcyclohexane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Methylene Chloride	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Styrene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Tetrachloroethene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Toluene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
trans-1,2-Dichloroethene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
trans-1,3-Dichloropropene	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Trichloroethene	**46000**		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Trichlorofluoromethane	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Vinyl chloride	ND		500		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4
Xylenes, Total	ND		990		ug/Kg	☼	06/28/21 22:05	06/29/21 16:24	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-53 (31.7-32)
Date Collected: 06/24/21 14:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-12
Matrix: Solid
Percent Solids: 86.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/28/21 22:05	06/29/21 16:24	4
4-Bromofluorobenzene (Surr)	102		49 - 148	06/28/21 22:05	06/29/21 16:24	4
Dibromofluoromethane (Surr)	98		60 - 140	06/28/21 22:05	06/29/21 16:24	4
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:05	06/29/21 16:24	4

Client Sample ID: D-53 (28-28.3)
Date Collected: 06/24/21 15:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-13
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,1,2-Trichloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,1-Dichloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,1-Dichloroethene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2-Dibromo-3-Chloropropane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2-Dibromoethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2-Dichloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,2-Dichloropropane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,3-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
1,4-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
2-Butanone (MEK)	ND		640		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
2-Hexanone	ND		640		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
4-Methyl-2-pentanone (MIBK)	ND		640		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Acetone	ND		640		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Benzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Bromodichloromethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Bromoform	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Bromomethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Carbon disulfide	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Carbon tetrachloride	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Chlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Chloroethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Chloroform	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Chloromethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
cis-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
cis-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Cyclohexane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Dibromochloromethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Dichlorodifluoromethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Ethylbenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Isopropylbenzene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Methyl acetate	ND		640		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Methyl tert-butyl ether	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Methylcyclohexane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Methylene Chloride	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Styrene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Tetrachloroethene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Toluene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
trans-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
trans-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Trichloroethene	**14000**	**E**	130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Trichlorofluoromethane	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Vinyl chloride	ND		130		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1
Xylenes, Total	ND		260		ug/Kg	☼	06/28/21 22:05	06/29/21 16:47	1

Client Sample ID: D-53 (28-28.3)
Date Collected: 06/24/21 15:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-13
Matrix: Solid
Percent Solids: 83.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*06/28/21 22:05*	*06/29/21 16:47*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*06/28/21 22:05*	*06/29/21 16:47*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*06/28/21 22:05*	*06/29/21 16:47*	*1*
Toluene-d8 (Surr)	*91*		*50 - 149*	*06/28/21 22:05*	*06/29/21 16:47*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,1,2,2-Tetrachloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,1,2-Trichloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,1-Dichloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,1-Dichloroethene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2,4-Trichlorobenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2-Dibromo-3-Chloropropane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2-Dibromoethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2-Dichlorobenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2-Dichloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,2-Dichloropropane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,3-Dichlorobenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
1,4-Dichlorobenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
2-Butanone (MEK)	ND		1300		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
2-Hexanone	ND		1300		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Acetone	ND		1300		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Benzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Bromodichloromethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Bromoform	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Bromomethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Carbon disulfide	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Carbon tetrachloride	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Chlorobenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Chloroethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Chloroform	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Chloromethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
cis-1,2-Dichloroethene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
cis-1,3-Dichloropropene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Cyclohexane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Dibromochloromethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Dichlorodifluoromethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Ethylbenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Isopropylbenzene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Methyl acetate	ND		1300		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Methyl tert-butyl ether	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Methylcyclohexane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Methylene Chloride	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Styrene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Tetrachloroethene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Toluene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
trans-1,2-Dichloroethene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-53 (28-28.3)
Date Collected: 06/24/21 15:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-13
Matrix: Solid
Percent Solids: 83.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Trichloroethene	**13000**		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Trichlorofluoromethane	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Vinyl chloride	ND		260		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2
Xylenes, Total	ND		510		ug/Kg	☼	06/28/21 22:05	06/30/21 11:51	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*06/28/21 22:05*	*06/30/21 11:51*	*2*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*06/28/21 22:05*	*06/30/21 11:51*	*2*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*06/28/21 22:05*	*06/30/21 11:51*	*2*
Toluene-d8 (Surr)	*94*		*50 - 149*	*06/28/21 22:05*	*06/30/21 11:51*	*2*

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-05-20210624
Date Collected: 06/24/21 15:20
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-14
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 04:22	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 04:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 04:22	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 04:22	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:22	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 04:22	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 04:22	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:22	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:22	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 04:22	1
2-Hexanone	ND		5.0		ug/L			06/30/21 04:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 04:22	1
Acetone	ND		10		ug/L			06/30/21 04:22	1
Benzene	ND		1.0		ug/L			06/30/21 04:22	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 04:22	1
Bromoform	ND		1.0		ug/L			06/30/21 04:22	1
Bromomethane	ND		1.0		ug/L			06/30/21 04:22	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 04:22	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 04:22	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 04:22	1
Chloroethane	ND		1.0		ug/L			06/30/21 04:22	1
Chloroform	ND		1.0		ug/L			06/30/21 04:22	1
Chloromethane	ND		1.0		ug/L			06/30/21 04:22	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 04:22	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 04:22	1
Cyclohexane	ND		1.0		ug/L			06/30/21 04:22	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 04:22	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 04:22	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 04:22	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 04:22	1
Methyl acetate	ND		2.5		ug/L			06/30/21 04:22	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 04:22	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 04:22	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 04:22	1
Styrene	ND		1.0		ug/L			06/30/21 04:22	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 04:22	1
Toluene	ND		1.0		ug/L			06/30/21 04:22	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 04:22	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 04:22	1
Trichloroethene	ND		1.0		ug/L			06/30/21 04:22	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 04:22	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 04:22	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 04:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-05-20210624
Date Collected: 06/24/21 15:20
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-14
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		06/30/21 04:22	1
4-Bromofluorobenzene (Surr)	101		73 - 120		06/30/21 04:22	1
Dibromofluoromethane (Surr)	107		75 - 123		06/30/21 04:22	1
Toluene-d8 (Surr)	91		80 - 120		06/30/21 04:22	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: TRIP BLANK-20210624

Lab Sample ID: 480-186546-15

Date Collected: 06/24/21 00:00
Date Received: 06/25/21 10:00

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 04:45	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 04:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 04:45	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 04:45	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:45	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 04:45	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 04:45	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:45	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 04:45	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 04:45	1
2-Hexanone	ND		5.0		ug/L			06/30/21 04:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 04:45	1
Acetone	ND		10		ug/L			06/30/21 04:45	1
Benzene	ND		1.0		ug/L			06/30/21 04:45	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 04:45	1
Bromoform	ND		1.0		ug/L			06/30/21 04:45	1
Bromomethane	ND		1.0		ug/L			06/30/21 04:45	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 04:45	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 04:45	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 04:45	1
Chloroethane	ND		1.0		ug/L			06/30/21 04:45	1
Chloroform	ND		1.0		ug/L			06/30/21 04:45	1
Chloromethane	ND		1.0		ug/L			06/30/21 04:45	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 04:45	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 04:45	1
Cyclohexane	ND		1.0		ug/L			06/30/21 04:45	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 04:45	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 04:45	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 04:45	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 04:45	1
Methyl acetate	ND		2.5		ug/L			06/30/21 04:45	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 04:45	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 04:45	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 04:45	1
Styrene	ND		1.0		ug/L			06/30/21 04:45	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 04:45	1
Toluene	ND		1.0		ug/L			06/30/21 04:45	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 04:45	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 04:45	1
Trichloroethene	ND		1.0		ug/L			06/30/21 04:45	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 04:45	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 04:45	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 04:45	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: TRIP BLANK-20210624
Date Collected: 06/24/21 00:00
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-15
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		06/30/21 04:45	1
4-Bromofluorobenzene (Surr)	102		73 - 120		06/30/21 04:45	1
Dibromofluoromethane (Surr)	105		75 - 123		06/30/21 04:45	1
Toluene-d8 (Surr)	96		80 - 120		06/30/21 04:45	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-52 (24-25.5)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-1
Matrix: Solid
Percent Solids: 91.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,1,2,2-Tetrachloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,1,2-Trichloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,1-Dichloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,1-Dichloroethene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2,4-Trichlorobenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2-Dibromo-3-Chloropropane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2-Dibromoethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2-Dichlorobenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2-Dichloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,2-Dichloropropane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,3-Dichlorobenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
1,4-Dichlorobenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
2-Hexanone	ND		2300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Acetone	ND		2300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Benzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Bromodichloromethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Bromoform	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Bromomethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Carbon disulfide	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Carbon tetrachloride	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Chlorobenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Chloroethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Chloroform	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Chloromethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
cis-1,2-Dichloroethene	**1100**		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
cis-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Cyclohexane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Dibromochloromethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Dichlorodifluoromethane	ND	F2	450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Ethylbenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Isopropylbenzene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Methyl acetate	ND		2300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Methyl tert-butyl ether	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Methylcyclohexane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Methylene Chloride	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Styrene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Tetrachloroethene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Toluene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
trans-1,2-Dichloroethene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
trans-1,3-Dichloropropene	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Trichloroethene	**21000**		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Trichlorofluoromethane	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Vinyl chloride	ND		450		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4
Xylenes, Total	ND		900		ug/Kg	☼	06/28/21 22:38	06/29/21 14:35	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-52 (24-25.5)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-1
Matrix: Solid
Percent Solids: 91.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/28/21 22:38	06/29/21 14:35	4
4-Bromofluorobenzene (Surr)	99		49 - 148	06/28/21 22:38	06/29/21 14:35	4
Dibromofluoromethane (Surr)	92		60 - 140	06/28/21 22:38	06/29/21 14:35	4
Toluene-d8 (Surr)	94		50 - 149	06/28/21 22:38	06/29/21 14:35	4

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-52 (28-28.4)
Date Collected: 06/25/21 11:40
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-2
Matrix: Solid
Percent Solids: 81.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,1,2,2-Tetrachloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,1,2-Trichloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,1-Dichloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,1-Dichloroethene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2,4-Trichlorobenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2-Dibromo-3-Chloropropane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2-Dibromoethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2-Dichlorobenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2-Dichloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,2-Dichloropropane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,3-Dichlorobenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
1,4-Dichlorobenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
2-Butanone (MEK)	ND		1300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
2-Hexanone	ND		1300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
4-Methyl-2-pentanone (MIBK)	ND		1300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Acetone	ND		1300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Benzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Bromodichloromethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Bromoform	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Bromomethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Carbon disulfide	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Carbon tetrachloride	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Chlorobenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Chloroethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Chloroform	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Chloromethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
cis-1,2-Dichloroethene	**720**		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
cis-1,3-Dichloropropene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Cyclohexane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Dibromochloromethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Dichlorodifluoromethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Ethylbenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Isopropylbenzene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Methyl acetate	ND		1300		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Methyl tert-butyl ether	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Methylcyclohexane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Methylene Chloride	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Styrene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Tetrachloroethene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Toluene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
trans-1,2-Dichloroethene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
trans-1,3-Dichloropropene	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Trichloroethene	**8800**		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Trichlorofluoromethane	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Vinyl chloride	ND		270		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2
Xylenes, Total	ND		530		ug/Kg	☼	06/28/21 22:38	06/29/21 14:58	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-52 (28-28.4)
Date Collected: 06/25/21 11:40
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-2
Matrix: Solid
Percent Solids: 81.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/28/21 22:38	06/29/21 14:58	2
4-Bromofluorobenzene (Surr)	99		49 - 148	06/28/21 22:38	06/29/21 14:58	2
Dibromofluoromethane (Surr)	94		60 - 140	06/28/21 22:38	06/29/21 14:58	2
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:38	06/29/21 14:58	2

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-51 (20-20.7)
Date Collected: 06/25/21 11:50
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-3
Matrix: Solid
Percent Solids: 89.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,1,2,2-Tetrachloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,1,2-Trichloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,1-Dichloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,1-Dichloroethene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2,4-Trichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2-Dibromo-3-Chloropropane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2-Dibromoethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2-Dichloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,2-Dichloropropane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,3-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
1,4-Dichlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
2-Butanone (MEK)	ND		580		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
2-Hexanone	ND		580		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
4-Methyl-2-pentanone (MIBK)	ND		580		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Acetone	ND		580		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Benzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Bromodichloromethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Bromoform	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Bromomethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Carbon disulfide	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Carbon tetrachloride	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Chlorobenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Chloroethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Chloroform	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Chloromethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
cis-1,2-Dichloroethene	**160**		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
cis-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Cyclohexane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Dibromochloromethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Dichlorodifluoromethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Ethylbenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Isopropylbenzene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Methyl acetate	ND		580		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Methyl tert-butyl ether	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Methylcyclohexane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Methylene Chloride	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Styrene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Tetrachloroethene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Toluene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
trans-1,2-Dichloroethene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
trans-1,3-Dichloropropene	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Trichloroethene	**560**		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Trichlorofluoromethane	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Vinyl chloride	ND		120		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1
Xylenes, Total	ND		230		ug/Kg	☼	06/28/21 22:38	06/29/21 15:21	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-51 (20-20.7)
Date Collected: 06/25/21 11:50
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-3
Matrix: Solid
Percent Solids: 89.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		53 - 146	06/28/21 22:38	06/29/21 15:21	1
4-Bromofluorobenzene (Surr)	95		49 - 148	06/28/21 22:38	06/29/21 15:21	1
Dibromofluoromethane (Surr)	91		60 - 140	06/28/21 22:38	06/29/21 15:21	1
Toluene-d8 (Surr)	90		50 - 149	06/28/21 22:38	06/29/21 15:21	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-51 (31.6-32)
Date Collected: 06/25/21 13:30
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-4
Matrix: Solid
Percent Solids: 78.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,1-Dichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,1-Dichloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2-Dibromoethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2-Dichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,2-Dichloropropane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
2-Butanone (MEK)	ND		5600		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
2-Hexanone	ND		5600		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
4-Methyl-2-pentanone (MIBK)	ND		5600		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Acetone	ND		5600		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Benzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Bromodichloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Bromoform	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Bromomethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Carbon disulfide	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Carbon tetrachloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Chlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Chloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Chloroform	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Chloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
cis-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Cyclohexane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Dibromochloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Ethylbenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Isopropylbenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Methyl acetate	ND		5600		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Methylcyclohexane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Methylene Chloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Styrene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Tetrachloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Toluene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Trichloroethene	**56000**		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Trichlorofluoromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Vinyl chloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8
Xylenes, Total	ND		2200		ug/Kg	☼	06/28/21 22:38	06/29/21 15:44	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-51 (31.6-32)
Date Collected: 06/25/21 13:30
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-4
Matrix: Solid
Percent Solids: 78.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/28/21 22:38	06/29/21 15:44	8
4-Bromofluorobenzene (Surr)	99		49 - 148	06/28/21 22:38	06/29/21 15:44	8
Dibromofluoromethane (Surr)	94		60 - 140	06/28/21 22:38	06/29/21 15:44	8
Toluene-d8 (Surr)	91		50 - 149	06/28/21 22:38	06/29/21 15:44	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-06-20210625
Date Collected: 06/25/21 13:15
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 19:35	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 19:35	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 19:35	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 19:35	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:35	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 19:35	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 19:35	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:35	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:35	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 19:35	1
2-Hexanone	ND		5.0		ug/L			06/30/21 19:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 19:35	1
Acetone	ND		10		ug/L			06/30/21 19:35	1
Benzene	ND		1.0		ug/L			06/30/21 19:35	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 19:35	1
Bromoform	ND		1.0		ug/L			06/30/21 19:35	1
Bromomethane	ND		1.0		ug/L			06/30/21 19:35	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 19:35	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 19:35	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 19:35	1
Chloroethane	ND		1.0		ug/L			06/30/21 19:35	1
Chloroform	ND		1.0		ug/L			06/30/21 19:35	1
Chloromethane	ND		1.0		ug/L			06/30/21 19:35	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 19:35	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 19:35	1
Cyclohexane	ND		1.0		ug/L			06/30/21 19:35	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 19:35	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 19:35	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 19:35	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 19:35	1
Methyl acetate	ND		2.5		ug/L			06/30/21 19:35	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 19:35	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 19:35	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 19:35	1
Styrene	ND		1.0		ug/L			06/30/21 19:35	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 19:35	1
Toluene	ND		1.0		ug/L			06/30/21 19:35	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 19:35	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 19:35	1
Trichloroethene	ND		1.0		ug/L			06/30/21 19:35	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 19:35	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 19:35	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 19:35	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: EB-06-20210625
Date Collected: 06/25/21 13:15
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		06/30/21 19:35	1
4-Bromofluorobenzene (Surr)	94		73 - 120		06/30/21 19:35	1
Dibromofluoromethane (Surr)	99		75 - 123		06/30/21 19:35	1
Toluene-d8 (Surr)	87		80 - 120		06/30/21 19:35	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: TRIP BLANK-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 19:58	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 19:58	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 19:58	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 19:58	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:58	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 19:58	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 19:58	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:58	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 19:58	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 19:58	1
2-Hexanone	ND		5.0		ug/L			06/30/21 19:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 19:58	1
Acetone	ND		10		ug/L			06/30/21 19:58	1
Benzene	ND		1.0		ug/L			06/30/21 19:58	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 19:58	1
Bromoform	ND		1.0		ug/L			06/30/21 19:58	1
Bromomethane	ND		1.0		ug/L			06/30/21 19:58	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 19:58	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 19:58	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 19:58	1
Chloroethane	ND		1.0		ug/L			06/30/21 19:58	1
Chloroform	ND		1.0		ug/L			06/30/21 19:58	1
Chloromethane	ND		1.0		ug/L			06/30/21 19:58	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 19:58	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 19:58	1
Cyclohexane	ND		1.0		ug/L			06/30/21 19:58	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 19:58	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 19:58	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 19:58	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 19:58	1
Methyl acetate	ND		2.5		ug/L			06/30/21 19:58	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 19:58	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 19:58	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 19:58	1
Styrene	ND		1.0		ug/L			06/30/21 19:58	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 19:58	1
Toluene	ND		1.0		ug/L			06/30/21 19:58	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 19:58	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 19:58	1
Trichloroethene	ND		1.0		ug/L			06/30/21 19:58	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 19:58	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 19:58	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 19:58	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: TRIP BLANK-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		06/30/21 19:58	1
4-Bromofluorobenzene (Surr)	95		73 - 120		06/30/21 19:58	1
Dibromofluoromethane (Surr)	100		75 - 123		06/30/21 19:58	1
Toluene-d8 (Surr)	89		80 - 120		06/30/21 19:58	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-05-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-7
Matrix: Solid
Percent Solids: 79.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,1,2,2-Tetrachloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,1,2-Trichloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,1-Dichloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,1-Dichloroethene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2,4-Trichlorobenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2-Dibromo-3-Chloropropane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2-Dibromoethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2-Dichlorobenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2-Dichloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,2-Dichloropropane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,3-Dichlorobenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
1,4-Dichlorobenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
2-Butanone (MEK)	ND		690		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
2-Hexanone	ND		690		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
4-Methyl-2-pentanone (MIBK)	ND		690		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Acetone	ND		690		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Benzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Bromodichloromethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Bromoform	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Bromomethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Carbon disulfide	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Carbon tetrachloride	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Chlorobenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Chloroethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Chloroform	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Chloromethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
cis-1,2-Dichloroethene	**860**		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
cis-1,3-Dichloropropene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Cyclohexane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Dibromochloromethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Dichlorodifluoromethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Ethylbenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Isopropylbenzene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Methyl acetate	ND		690		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Methyl tert-butyl ether	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Methylcyclohexane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Methylene Chloride	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Styrene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Tetrachloroethene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Toluene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
trans-1,2-Dichloroethene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
trans-1,3-Dichloropropene	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Trichloroethene	**12000**		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Trichlorofluoromethane	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Vinyl chloride	ND		140		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1
Xylenes, Total	ND		280		ug/Kg	☼	06/28/21 22:38	06/29/21 16:07	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-05-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-7
Matrix: Solid
Percent Solids: 79.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/28/21 22:38	06/29/21 16:07	1
4-Bromofluorobenzene (Surr)	101		49 - 148	06/28/21 22:38	06/29/21 16:07	1
Dibromofluoromethane (Surr)	91		60 - 140	06/28/21 22:38	06/29/21 16:07	1
Toluene-d8 (Surr)	96		50 - 149	06/28/21 22:38	06/29/21 16:07	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-06-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-8
Matrix: Solid
Percent Solids: 79.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,1,2,2-Tetrachloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,1,2-Trichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,1-Dichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,1-Dichloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2,4-Trichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2-Dibromo-3-Chloropropane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2-Dibromoethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2-Dichloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,2-Dichloropropane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,3-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
1,4-Dichlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
2-Butanone (MEK)	ND		5400		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
2-Hexanone	ND		5400		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
4-Methyl-2-pentanone (MIBK)	ND		5400		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Acetone	ND		5400		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Benzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Bromodichloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Bromoform	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Bromomethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Carbon disulfide	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Carbon tetrachloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Chlorobenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Chloroethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Chloroform	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Chloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
cis-1,2-Dichloroethene	**1300**		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
cis-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Cyclohexane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Dibromochloromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Dichlorodifluoromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Ethylbenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Isopropylbenzene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Methyl acetate	ND		5400		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Methyl tert-butyl ether	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Methylcyclohexane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Methylene Chloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Styrene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Tetrachloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Toluene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
trans-1,2-Dichloroethene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
trans-1,3-Dichloropropene	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Trichloroethene	**88000**		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Trichlorofluoromethane	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Vinyl chloride	ND		1100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8
Xylenes, Total	ND		2200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:30	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: DUP-06-20210625
Date Collected: 06/25/21 00:00
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-8
Matrix: Solid
Percent Solids: 79.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		53 - 146	06/28/21 22:38	06/29/21 16:30	8
4-Bromofluorobenzene (Surr)	98		49 - 148	06/28/21 22:38	06/29/21 16:30	8
Dibromofluoromethane (Surr)	92		60 - 140	06/28/21 22:38	06/29/21 16:30	8
Toluene-d8 (Surr)	90		50 - 149	06/28/21 22:38	06/29/21 16:30	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (2.8-3.1)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-9
Matrix: Solid
Percent Solids: 82.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,1,2,2-Tetrachloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,1,2-Trichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,1-Dichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,1-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2,4-Trichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2-Dibromo-3-Chloropropane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2-Dibromoethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2-Dichloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,2-Dichloropropane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,3-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
1,4-Dichlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
2-Butanone (MEK)	ND		5200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
2-Hexanone	ND		5200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
4-Methyl-2-pentanone (MIBK)	ND		5200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Acetone	ND		5200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Benzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Bromodichloromethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Bromoform	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Bromomethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Carbon disulfide	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Carbon tetrachloride	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Chlorobenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Chloroethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Chloroform	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Chloromethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
cis-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
cis-1,3-Dichloropropene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Cyclohexane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Dibromochloromethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Dichlorodifluoromethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Ethylbenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Isopropylbenzene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Methyl acetate	ND		5200		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Methyl tert-butyl ether	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Methylcyclohexane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Methylene Chloride	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Styrene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Tetrachloroethene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Toluene	**1300**		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
trans-1,2-Dichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
trans-1,3-Dichloropropene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Trichloroethene	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Trichlorofluoromethane	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Vinyl chloride	ND		1000		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8
Xylenes, Total	ND		2100		ug/Kg	☼	06/28/21 22:38	06/29/21 16:53	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (2.8-3.1)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-9
Matrix: Solid
Percent Solids: 82.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		53 - 146	06/28/21 22:38	06/29/21 16:53	8
4-Bromofluorobenzene (Surr)	94		49 - 148	06/28/21 22:38	06/29/21 16:53	8
Dibromofluoromethane (Surr)	96		60 - 140	06/28/21 22:38	06/29/21 16:53	8
Toluene-d8 (Surr)	88		50 - 149	06/28/21 22:38	06/29/21 16:53	8

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (1.9-2.2)
Date Collected: 06/25/21 10:10
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-10
Matrix: Solid
Percent Solids: 83.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,1,2,2-Tetrachloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,1,2-Trichloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,1-Dichloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,1-Dichloroethene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2,4-Trichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2-Dibromo-3-Chloropropane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2-Dibromoethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2-Dichloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,2-Dichloropropane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,3-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
1,4-Dichlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
2-Butanone (MEK)	ND		630		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
2-Hexanone	ND		630		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
4-Methyl-2-pentanone (MIBK)	ND		630		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Acetone	ND		630		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Benzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Bromodichloromethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Bromoform	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Bromomethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Carbon disulfide	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Carbon tetrachloride	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Chlorobenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Chloroethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Chloroform	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Chloromethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
cis-1,2-Dichloroethene	**220**		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
cis-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Cyclohexane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Dibromochloromethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Dichlorodifluoromethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Ethylbenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Isopropylbenzene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Methyl acetate	ND		630		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Methyl tert-butyl ether	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Methylcyclohexane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Methylene Chloride	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Styrene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Tetrachloroethene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Toluene	**650**		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
trans-1,2-Dichloroethene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
trans-1,3-Dichloropropene	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Trichloroethene	**760**		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Trichlorofluoromethane	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Vinyl chloride	ND		130		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1
Xylenes, Total	ND		250		ug/Kg	☼	06/28/21 22:38	06/29/21 17:16	1

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (1.9-2.2)
Date Collected: 06/25/21 10:10
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-10
Matrix: Solid
Percent Solids: 83.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		53 - 146	06/28/21 22:38	06/29/21 17:16	1
4-Bromofluorobenzene (Surr)	98		49 - 148	06/28/21 22:38	06/29/21 17:16	1
Dibromofluoromethane (Surr)	93		60 - 140	06/28/21 22:38	06/29/21 17:16	1
Toluene-d8 (Surr)	92		50 - 149	06/28/21 22:38	06/29/21 17:16	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

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

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-186546-1	D-77 (31.2-31.8)	92	98	98	91
480-186546-3	D-71 (10.3-10.7)	96	101	100	91
480-186546-4	D-71 (10.9-11.5)	93	102	96	91
480-186546-4 MS	D-71 (10.9-11.5)	94	101	95	93
480-186546-4 MSD	D-71 (10.9-11.5	97	103	98	93
480-186546-5	D-71 (26.3-27)	96	100	99	93
480-186546-6	D-71 (30.1-3.07)	96	100	102	92
480-186546-8	D-78 (2.8-3)	99	105	103	93
480-186546-9	DUP-04-20210624	88	101	95	90
480-186546-10	D-78 (27.4-27.8)	94	103	96	94
480-186546-11	D-78 (31.3-31.8)	96	100	101	93
480-186546-12	D-53 (31.7-32)	94	102	98	93
480-186546-13	D-53 (28-28.3)	90	99	94	91
480-186546-13 - DL	D-53 (28-28.3)	92	97	91	94
480-186593-1	D-52 (24-25.5)	92	99	92	94
480-186593-1 MS	D-52 (24-25.5) MS	94	102	96	94
480-186593-1 MSD	D-52 (24-25.5) MSD	94	101	93	95
480-186593-2	D-52 (28-28.4)	94	99	94	93
480-186593-3	D-51 (20-20.7)	90	95	91	90
480-186593-4	D-51 (31.6-32)	92	99	94	91
480-186593-4 MS	D-51 (31.6-32) MS	91	100	94	92
480-186593-4 MSD	D-51 (31.6-32) MSD	90	102	95	91
480-186593-7	DUP-05-20210625	91	101	91	96
480-186593-8	DUP-06-20210625	91	98	92	90
480-186593-9	D-78 (2.8-3.1)	96	94	96	88
480-186593-10	D-78 (1.9-2.2)	92	98	93	92
LCS 480-587318/1-A	Lab Control Sample	97	100	98	90
LCS 480-587319/1-A	Lab Control Sample	89	99	94	91
MB 480-587318/2-A	Method Blank	94	100	97	93
MB 480-587319/2-A	Method Blank	100	101	95	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-186546-7	EB-04-20210624	100	105	102	93
480-186546-14	EB-05-20210624	100	101	107	91
480-186546-15	TRIP BLANK-20210624	98	102	105	96
480-186593-5	EB-06-20210625	99	94	99	87
480-186593-6	TRIP BLANK-20210625	103	95	100	89
LCS 480-587465/6	Lab Control Sample	94	99	102	93
LCS 480-587538/5	Lab Control Sample	94	106	100	94

Surrogate Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186546-1
Project/Site: GTEOSI - Seneca Falls

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
MB 480-587465/8	Method Blank	102	102	104	92
MB 480-587538/7	Method Blank	93	101	96	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 480-587318/2-A
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,1-Dichloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,1-Dichloroethene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2-Dibromoethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2-Dichloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,2-Dichloropropane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
2-Butanone (MEK)	ND		500		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
2-Hexanone	ND		500		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Acetone	ND		500		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Benzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Bromodichloromethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Bromoform	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Bromomethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Carbon disulfide	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Carbon tetrachloride	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Chlorobenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Chloroethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Chloroform	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Chloromethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Cyclohexane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Dibromochloromethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Ethylbenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Isopropylbenzene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Methyl acetate	ND		500		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Methylcyclohexane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Methylene Chloride	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Styrene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Tetrachloroethene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Toluene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Trichloroethene	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Trichlorofluoromethane	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Vinyl chloride	ND		100		ug/Kg		06/28/21 22:05	06/29/21 11:37	1
Xylenes, Total	ND		200		ug/Kg		06/28/21 22:05	06/29/21 11:37	1

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

Lab Sample ID: MB 480-587318/2-A
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587318

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		53 - 146	06/28/21 22:05	06/29/21 11:37	1
4-Bromofluorobenzene (Surr)	100		49 - 148	06/28/21 22:05	06/29/21 11:37	1
Dibromofluoromethane (Surr)	97		60 - 140	06/28/21 22:05	06/29/21 11:37	1
Toluene-d8 (Surr)	93		50 - 149	06/28/21 22:05	06/29/21 11:37	1

Lab Sample ID: LCS 480-587318/1-A
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2630		ug/Kg		105	68 - 130
1,1,2,2-Tetrachloroethane	2500	2340		ug/Kg		94	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2820		ug/Kg		113	10 - 179
1,1,2-Trichloroethane	2500	2510		ug/Kg		101	80 - 120
1,1-Dichloroethane	2500	2720		ug/Kg		109	78 - 121
1,1-Dichloroethene	2500	2770		ug/Kg		111	48 - 133
1,2,4-Trichlorobenzene	2500	2780		ug/Kg		111	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2090		ug/Kg		84	56 - 122
1,2-Dibromoethane	2500	2600		ug/Kg		104	80 - 120
1,2-Dichlorobenzene	2500	2460		ug/Kg		98	78 - 125
1,2-Dichloroethane	2500	2570		ug/Kg		103	74 - 127
1,2-Dichloropropane	2500	2770		ug/Kg		111	80 - 120
1,3-Dichlorobenzene	2500	2500		ug/Kg		100	80 - 120
1,4-Dichlorobenzene	2500	2550		ug/Kg		102	80 - 120
2-Butanone (MEK)	12500	12600		ug/Kg		101	54 - 149
2-Hexanone	12500	12500		ug/Kg		100	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	12200		ug/Kg		98	74 - 120
Acetone	12500	13700		ug/Kg		109	47 - 141
Benzene	2500	2740		ug/Kg		110	77 - 125
Bromodichloromethane	2500	2600		ug/Kg		104	71 - 121
Bromoform	2500	2710		ug/Kg		109	48 - 125
Bromomethane	2500	2180		ug/Kg		87	39 - 149
Carbon disulfide	2500	2530		ug/Kg		101	40 - 136
Carbon tetrachloride	2500	2800		ug/Kg		112	54 - 135
Chlorobenzene	2500	2610		ug/Kg		104	76 - 126
Chloroethane	2500	1900		ug/Kg		76	23 - 150
Chloroform	2500	2610		ug/Kg		104	78 - 120
Chloromethane	2500	2500		ug/Kg		100	61 - 124
cis-1,2-Dichloroethene	2500	2840		ug/Kg		113	79 - 124
cis-1,3-Dichloropropene	2500	2760		ug/Kg		110	75 - 121
Cyclohexane	2500	2740		ug/Kg		109	49 - 129
Dibromochloromethane	2500	2600		ug/Kg		104	64 - 120
Dichlorodifluoromethane	2500	2080		ug/Kg		83	10 - 150
Ethylbenzene	2500	2630		ug/Kg		105	78 - 124
Isopropylbenzene	2500	2690		ug/Kg		108	76 - 120
Methyl acetate	5000	5640		ug/Kg		113	71 - 123
Methyl tert-butyl ether	2500	2660		ug/Kg		107	67 - 137
Methylcyclohexane	2500	2800		ug/Kg		112	50 - 130

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

Lab Sample ID: LCS 480-587318/1-A
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587318

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methylene Chloride			2500	2600		ug/Kg		104	75 - 118		
Styrene			2500	2630		ug/Kg		105	80 - 120		
Tetrachloroethene			2500	2820		ug/Kg		113	73 - 133		
Toluene			2500	2540		ug/Kg		102	75 - 124		
trans-1,2-Dichloroethene			2500	2650		ug/Kg		106	74 - 129		
trans-1,3-Dichloropropene			2500	2650		ug/Kg		106	73 - 120		
Trichloroethene			2500	2790		ug/Kg		112	75 - 131		
Trichlorofluoromethane			2500	2530		ug/Kg		101	29 - 158		
Vinyl chloride			2500	2600		ug/Kg		104	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Dibromofluoromethane (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*90*		*50 - 149*

Lab Sample ID: 480-186546-4 MS
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: D-71 (10.9-11.5)
Prep Type: Total/NA
Prep Batch: 587318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane	ND		2860	ND		ug/Kg	☼	130	64 - 142		
1,1,2,2-Tetrachloroethane	ND		2860	ND		ug/Kg	☼	124	56 - 128		
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2860	ND		ug/Kg	☼	120	64 - 154		
1,1,2-Trichloroethane	ND	F2 F1	2860	ND	F1	ug/Kg	☼	148	63 - 133		
1,1-Dichloroethane	ND	F2	2860	ND		ug/Kg	☼	130	64 - 135		
1,1-Dichloroethene	ND		2860	ND		ug/Kg	☼	123	62 - 145		
1,2,4-Trichlorobenzene	ND		2860	ND		ug/Kg	☼	134	56 - 145		
1,2-Dibromo-3-Chloropropane	ND	F2 F1	2860	ND	F1	ug/Kg	☼	131	40 - 122		
1,2-Dibromoethane	ND		2860	ND		ug/Kg	☼	114	65 - 133		
1,2-Dichlorobenzene	ND		2860	ND		ug/Kg	☼	115	68 - 133		
1,2-Dichloroethane	ND		2860	ND		ug/Kg	☼	126	62 - 135		
1,2-Dichloropropane	ND		2860	ND		ug/Kg	☼	112	67 - 139		
1,3-Dichlorobenzene	ND	F2	2860	ND		ug/Kg	☼	135	68 - 136		
1,4-Dichlorobenzene	ND		2860	ND		ug/Kg	☼	114	69 - 136		
2-Butanone (MEK)	ND		14300	ND		ug/Kg	☼	NC	46 - 132		
2-Hexanone	ND		14300	ND		ug/Kg	☼	127	44 - 130		
4-Methyl-2-pentanone (MIBK)	ND		14300	ND		ug/Kg	☼	111	49 - 125		
Acetone	ND		14300	ND		ug/Kg	☼	NC	32 - 136		
Benzene	ND	F2	2860	ND		ug/Kg	☼	134	68 - 137		
Bromodichloromethane	ND		2860	ND		ug/Kg	☼	123	62 - 136		
Bromoform	ND		2860	ND		ug/Kg	☼	107	43 - 134		
Bromomethane	ND	F1	2860	ND	F1	ug/Kg	☼	161	38 - 137		
Carbon disulfide	ND	F2	2860	ND		ug/Kg	☼	116	52 - 139		
Carbon tetrachloride	ND		2860	ND		ug/Kg	☼	118	60 - 150		
Chlorobenzene	ND	F2	2860	ND		ug/Kg	☼	126	67 - 136		
Chloroethane	ND	F2 F1	2860	5430	F1	ug/Kg	☼	190	34 - 140		
Chloroform	ND		2860	ND		ug/Kg	☼	NC	64 - 133		

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

Lab Sample ID: 480-186546-4 MS
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: D-71 (10.9-11.5)
Prep Type: Total/NA
Prep Batch: 587318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	ND	F2 F1	2860	ND	F1	ug/Kg	☼	169	47 - 143
cis-1,2-Dichloroethene	ND	F1	2860	ND	F1	ug/Kg	☼	140	65 - 137
cis-1,3-Dichloropropene	ND		2860	ND		ug/Kg	☼	115	61 - 148
Cyclohexane	ND		2860	ND		ug/Kg	☼	109	63 - 149
Dibromochloromethane	ND		2860	ND		ug/Kg	☼	90	57 - 137
Dichlorodifluoromethane	ND	F2	2860	ND		ug/Kg	☼	108	26 - 150
Ethylbenzene	ND		2860	ND		ug/Kg	☼	114	67 - 136
Isopropylbenzene	ND		2860	ND		ug/Kg	☼	122	65 - 147
Methyl acetate	ND	F1	5720	ND		ug/Kg	☼	117	50 - 124
Methyl tert-butyl ether	ND		2860	ND		ug/Kg	☼	116	60 - 130
Methylcyclohexane	ND		2860	ND		ug/Kg	☼	103	67 - 150
Methylene Chloride	ND	F2	2860	ND		ug/Kg	☼	84	63 - 138
Styrene	ND		2860	ND		ug/Kg	☼	113	68 - 137
Tetrachloroethene	ND	F2 F1	2860	5470	F1	ug/Kg	☼	191	67 - 150
Toluene	ND	F2	2860	ND		ug/Kg	☼	135	68 - 137
trans-1,2-Dichloroethene	ND		2860	ND		ug/Kg	☼	131	65 - 138
trans-1,3-Dichloropropene	ND		2860	ND		ug/Kg	☼	97	58 - 143
Trichloroethene	300000		2860	632000	E 4	ug/Kg	☼	11611	69 - 143
Trichlorofluoromethane	ND	F2	2860	ND		ug/Kg	☼	148	35 - 150
Vinyl chloride	ND	F2 F1	2860	ND	F1	ug/Kg	☼	162	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: 480-186546-4 MSD
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: D-71 (10.9-11.5
Prep Type: Total/NA
Prep Batch: 587318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2810	ND		ug/Kg	☼	110	64 - 142	18	20
1,1,2,2-Tetrachloroethane	ND		2810	ND		ug/Kg	☼	105	56 - 128	18	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	F1	2810	ND	F1	ug/Kg	☼	0	64 - 154	NC	20
1,1,2-Trichloroethane	ND	F2 F1	2810	ND	F2	ug/Kg	☼	115	63 - 133	27	20
1,1-Dichloroethane	ND	F2	2810	ND	F2	ug/Kg	☼	95	64 - 135	33	20
1,1-Dichloroethene	ND		2810	ND		ug/Kg	☼	104	62 - 145	19	20
1,2,4-Trichlorobenzene	ND		2810	ND		ug/Kg	☼	129	56 - 145	5	20
1,2-Dibromo-3-Chloropropane	ND	F2 F1	2810	ND	F2	ug/Kg	☼	88	40 - 122	41	20
1,2-Dibromoethane	ND		2810	ND		ug/Kg	☼	119	65 - 133	3	20
1,2-Dichlorobenzene	ND		2810	ND		ug/Kg	☼	102	68 - 133	14	20
1,2-Dichloroethane	ND		2810	ND		ug/Kg	☼	118	62 - 135	8	20
1,2-Dichloropropane	ND		2810	ND		ug/Kg	☼	101	67 - 139	12	20
1,3-Dichlorobenzene	ND	F2	2810	ND	F2	ug/Kg	☼	97	68 - 136	34	20
1,4-Dichlorobenzene	ND		2810	ND		ug/Kg	☼	110	69 - 136	5	20
2-Butanone (MEK)	ND		14100	ND		ug/Kg	☼	115	46 - 132	0	20
2-Hexanone	ND		14100	ND		ug/Kg	☼	110	44 - 130	16	20

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

Lab Sample ID: 480-186546-4 MSD
Matrix: Solid
Analysis Batch: 587336

Client Sample ID: D-71 (10.9-11.5
Prep Type: Total/NA
Prep Batch: 587318

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Methyl-2-pentanone (MIBK)	ND		14100	ND		ug/Kg	☼	106	49 - 125	6	20
Acetone	ND		14100	ND		ug/Kg	☼	NC	32 - 136	NC	20
Benzene	ND	F2	2810	ND	F2	ug/Kg	☼	105	68 - 137	26	20
Bromodichloromethane	ND		2810	ND		ug/Kg	☼	102	62 - 136	20	20
Bromoform	ND		2810	ND		ug/Kg	☼	95	43 - 134	13	20
Bromomethane	ND	F1	2810	ND	F1	ug/Kg	☼	156	38 - 137	5	20
Carbon disulfide	ND	F2	2810	ND	F2	ug/Kg	☼	87	52 - 139	30	20
Carbon tetrachloride	ND		2810	ND		ug/Kg	☼	110	60 - 150	8	20
Chlorobenzene	ND	F2	2810	ND	F2	ug/Kg	☼	95	67 - 136	29	20
Chloroethane	ND	F2 F1	2810	ND	F2	ug/Kg	☼	131	34 - 140	39	20
Chloroform	ND		2810	ND		ug/Kg	☼	NC	64 - 133	19	20
Chloromethane	ND	F2 F1	2810	ND	F2	ug/Kg	☼	133	47 - 143	26	20
cis-1,2-Dichloroethene	ND	F1	2810	ND		ug/Kg	☼	132	65 - 137	8	20
cis-1,3-Dichloropropene	ND		2810	ND		ug/Kg	☼	102	61 - 148	14	20
Cyclohexane	ND		2810	ND		ug/Kg	☼	104	63 - 149	7	20
Dibromochloromethane	ND		2810	ND		ug/Kg	☼	90	57 - 137	1	20
Dichlorodifluoromethane	ND	F2	2810	ND	F2	ug/Kg	☼	77	26 - 150	35	20
Ethylbenzene	ND		2810	ND		ug/Kg	☼	101	67 - 136	14	20
Isopropylbenzene	ND		2810	ND		ug/Kg	☼	103	65 - 147	19	20
Methyl acetate	ND	F1	5620	ND	F1	ug/Kg	☼	128	50 - 124	8	20
Methyl tert-butyl ether	ND		2810	ND		ug/Kg	☼	105	60 - 130	12	20
Methylcyclohexane	ND		2810	ND		ug/Kg	☼	91	67 - 150	15	20
Methylene Chloride	ND	F2	2810	ND	F2	ug/Kg	☼	116	63 - 138	30	20
Styrene	ND		2810	ND		ug/Kg	☼	113	68 - 137	2	20
Tetrachloroethene	ND	F2 F1	2810	ND	F1 F2	ug/Kg	☼	156	67 - 150	22	20
Toluene	ND	F2	2810	ND	F2	ug/Kg	☼	109	68 - 137	23	20
trans-1,2-Dichloroethene	ND		2810	ND		ug/Kg	☼	111	65 - 138	18	20
trans-1,3-Dichloropropene	ND		2810	ND		ug/Kg	☼	90	58 - 143	9	20
Trichloroethene	300000		2810	544000	E 4	ug/Kg	☼	8707	69 - 143	15	20
Trichlorofluoromethane	ND	F2	2810	ND	F2	ug/Kg	☼	105	35 - 150	36	20
Vinyl chloride	ND	F2 F1	2810	ND	F2	ug/Kg	☼	109	56 - 150	41	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Dibromofluoromethane (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*93*		*50 - 149*

Lab Sample ID: MB 480-587319/2-A
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,1,2-Trichloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,1-Dichloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1

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

Lab Sample ID: MB 480-587319/2-A
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587319

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2-Dibromoethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2-Dichloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,2-Dichloropropane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,3-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
1,4-Dichlorobenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
2-Butanone (MEK)	ND		500		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
2-Hexanone	ND		500		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Acetone	ND		500		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Benzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Bromodichloromethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Bromoform	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Bromomethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Carbon disulfide	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Carbon tetrachloride	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Chlorobenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Chloroethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Chloroform	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Chloromethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Cyclohexane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Dibromochloromethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Dichlorodifluoromethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Ethylbenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Isopropylbenzene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Methyl acetate	ND		500		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Methyl tert-butyl ether	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Methylcyclohexane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Methylene Chloride	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Styrene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Tetrachloroethene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Toluene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Trichloroethene	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Trichlorofluoromethane	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Vinyl chloride	ND		100		ug/Kg		06/28/21 22:38	06/29/21 11:18	1
Xylenes, Total	ND		200		ug/Kg		06/28/21 22:38	06/29/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*06/28/21 22:38*	*06/29/21 11:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*06/28/21 22:38*	*06/29/21 11:18*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*06/28/21 22:38*	*06/29/21 11:18*	*1*

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

Lab Sample ID: MB 480-587319/2-A
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587319

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	95		50 - 149	06/28/21 22:38	06/29/21 11:18	1

Lab Sample ID: LCS 480-587319/1-A
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2390		ug/Kg		96	68 - 130
1,1,2,2-Tetrachloroethane	2500	2560		ug/Kg		102	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2520		ug/Kg		101	10 - 179
1,1,2-Trichloroethane	2500	2570		ug/Kg		103	80 - 120
1,1-Dichloroethane	2500	2520		ug/Kg		101	78 - 121
1,1-Dichloroethene	2500	2340		ug/Kg		93	48 - 133
1,2,4-Trichlorobenzene	2500	2440		ug/Kg		98	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2310		ug/Kg		92	56 - 122
1,2-Dibromoethane	2500	2490		ug/Kg		100	80 - 120
1,2-Dichlorobenzene	2500	2370		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2460		ug/Kg		98	74 - 127
1,2-Dichloropropane	2500	2410		ug/Kg		96	80 - 120
1,3-Dichlorobenzene	2500	2520		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2390		ug/Kg		96	80 - 120
2-Butanone (MEK)	12500	12500		ug/Kg		100	54 - 149
2-Hexanone	12500	11600		ug/Kg		93	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11600		ug/Kg		93	74 - 120
Acetone	12500	12900		ug/Kg		104	47 - 141
Benzene	2500	2500		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2530		ug/Kg		101	71 - 121
Bromoform	2500	2310		ug/Kg		92	48 - 125
Bromomethane	2500	1870		ug/Kg		75	39 - 149
Carbon disulfide	2500	2310		ug/Kg		93	40 - 136
Carbon tetrachloride	2500	2420		ug/Kg		97	54 - 135
Chlorobenzene	2500	2590		ug/Kg		104	76 - 126
Chloroethane	2500	2010		ug/Kg		80	23 - 150
Chloroform	2500	2410		ug/Kg		96	78 - 120
Chloromethane	2500	2440		ug/Kg		98	61 - 124
cis-1,2-Dichloroethene	2500	2540		ug/Kg		102	79 - 124
cis-1,3-Dichloropropene	2500	2690		ug/Kg		108	75 - 121
Cyclohexane	2500	2500		ug/Kg		100	49 - 129
Dibromochloromethane	2500	2490		ug/Kg		100	64 - 120
Dichlorodifluoromethane	2500	2040		ug/Kg		82	10 - 150
Ethylbenzene	2500	2640		ug/Kg		105	78 - 124
Isopropylbenzene	2500	2770		ug/Kg		111	76 - 120
Methyl acetate	5000	4610		ug/Kg		92	71 - 123
Methyl tert-butyl ether	2500	2460		ug/Kg		98	67 - 137
Methylcyclohexane	2500	2600		ug/Kg		104	50 - 130
Methylene Chloride	2500	2660		ug/Kg		107	75 - 118
Styrene	2500	2640		ug/Kg		106	80 - 120
Tetrachloroethene	2500	2300		ug/Kg		92	73 - 133

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

Lab Sample ID: LCS 480-587319/1-A
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	2500	2620		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2470		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	2680		ug/Kg		107	73 - 120
Trichloroethene	2500	2610		ug/Kg		104	75 - 131
Trichlorofluoromethane	2500	2180		ug/Kg		87	29 - 158
Vinyl chloride	2500	2560		ug/Kg		103	59 - 124

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

Lab Sample ID: 480-186593-1 MS
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-52 (24-25.5) MS
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		2720	2660		ug/Kg	☼	98	64 - 142
1,1,2,2-Tetrachloroethane	ND		2720	2660		ug/Kg	☼	98	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2720	3180		ug/Kg	☼	117	64 - 154
1,1,2-Trichloroethane	ND		2720	2840		ug/Kg	☼	104	63 - 133
1,1-Dichloroethane	ND		2720	2820		ug/Kg	☼	103	64 - 135
1,1-Dichloroethene	ND		2720	3130		ug/Kg	☼	115	62 - 145
1,2,4-Trichlorobenzene	ND		2720	2610		ug/Kg	☼	96	56 - 145
1,2-Dibromo-3-Chloropropane	ND		2720	2010		ug/Kg	☼	74	40 - 122
1,2-Dibromoethane	ND		2720	2750		ug/Kg	☼	101	65 - 133
1,2-Dichlorobenzene	ND		2720	2570		ug/Kg	☼	94	68 - 133
1,2-Dichloroethane	ND		2720	2760		ug/Kg	☼	101	62 - 135
1,2-Dichloropropane	ND		2720	2660		ug/Kg	☼	98	67 - 139
1,3-Dichlorobenzene	ND		2720	2600		ug/Kg	☼	96	68 - 136
1,4-Dichlorobenzene	ND		2720	2530		ug/Kg	☼	93	69 - 136
2-Butanone (MEK)	ND		13600	14100		ug/Kg	☼	103	46 - 132
2-Hexanone	ND		13600	13100		ug/Kg	☼	96	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		13600	13100		ug/Kg	☼	96	49 - 125
Acetone	ND		13600	15500		ug/Kg	☼	114	32 - 136
Benzene	ND		2720	2780		ug/Kg	☼	102	68 - 137
Bromodichloromethane	ND		2720	2500		ug/Kg	☼	92	62 - 136
Bromoform	ND		2720	2130		ug/Kg	☼	78	43 - 134
Bromomethane	ND		2720	2670		ug/Kg	☼	98	38 - 137
Carbon disulfide	ND		2720	2670		ug/Kg	☼	98	52 - 139
Carbon tetrachloride	ND		2720	2590		ug/Kg	☼	95	60 - 150
Chlorobenzene	ND		2720	2770		ug/Kg	☼	102	67 - 136
Chloroethane	ND		2720	3530		ug/Kg	☼	130	34 - 140
Chloroform	ND		2720	2760		ug/Kg	☼	101	64 - 133
Chloromethane	ND		2720	3100		ug/Kg	☼	114	47 - 143
cis-1,2-Dichloroethene	1100		2720	3690		ug/Kg	☼	96	65 - 137
cis-1,3-Dichloropropene	ND		2720	2680		ug/Kg	☼	98	61 - 148

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

Lab Sample ID: 480-186593-1 MS
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-52 (24-25.5) MS
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	ND		2720	2920		ug/Kg	☼	107	63 - 149
Dibromochloromethane	ND		2720	2400		ug/Kg	☼	88	57 - 137
Dichlorodifluoromethane	ND	F2	2720	2090		ug/Kg	☼	77	26 - 150
Ethylbenzene	ND		2720	2750		ug/Kg	☼	101	67 - 136
Isopropylbenzene	ND		2720	2910		ug/Kg	☼	107	65 - 147
Methyl acetate	ND		5450	5270		ug/Kg	☼	97	50 - 124
Methyl tert-butyl ether	ND		2720	2930		ug/Kg	☼	108	60 - 130
Methylcyclohexane	ND		2720	2990		ug/Kg	☼	110	67 - 150
Methylene Chloride	ND		2720	2970		ug/Kg	☼	109	63 - 138
Styrene	ND		2720	2790		ug/Kg	☼	102	68 - 137
Tetrachloroethene	ND		2720	2630		ug/Kg	☼	97	67 - 150
Toluene	ND		2720	2850		ug/Kg	☼	105	68 - 137
trans-1,2-Dichloroethene	ND		2720	2820		ug/Kg	☼	104	65 - 138
trans-1,3-Dichloropropene	ND		2720	2520		ug/Kg	☼	92	58 - 143
Trichloroethene	21000		2720	20400	4	ug/Kg	☼	-10	69 - 143
Trichlorofluoromethane	ND		2720	2830		ug/Kg	☼	104	35 - 150
Vinyl chloride	ND		2720	3140		ug/Kg	☼	115	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*96*		*60 - 140*
Toluene-d8 (Surr)	*94*		*50 - 149*

Lab Sample ID: 480-186593-1 MSD
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-52 (24-25.5) MSD
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		2700	2440		ug/Kg	☼	90	64 - 142	9	20
1,1,2,2-Tetrachloroethane	ND		2700	2660		ug/Kg	☼	99	56 - 128	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2700	2680		ug/Kg	☼	99	64 - 154	17	20
1,1,2-Trichloroethane	ND		2700	2500		ug/Kg	☼	93	63 - 133	13	20
1,1-Dichloroethane	ND		2700	2490		ug/Kg	☼	92	64 - 135	12	20
1,1-Dichloroethene	ND		2700	2630		ug/Kg	☼	97	62 - 145	17	20
1,2,4-Trichlorobenzene	ND		2700	2640		ug/Kg	☼	98	56 - 145	1	20
1,2-Dibromo-3-Chloropropane	ND		2700	1980		ug/Kg	☼	73	40 - 122	2	20
1,2-Dibromoethane	ND		2700	2600		ug/Kg	☼	96	65 - 133	6	20
1,2-Dichlorobenzene	ND		2700	2500		ug/Kg	☼	92	68 - 133	3	20
1,2-Dichloroethane	ND		2700	2540		ug/Kg	☼	94	62 - 135	8	20
1,2-Dichloropropane	ND		2700	2480		ug/Kg	☼	92	67 - 139	7	20
1,3-Dichlorobenzene	ND		2700	2560		ug/Kg	☼	95	68 - 136	1	20
1,4-Dichlorobenzene	ND		2700	2370		ug/Kg	☼	88	69 - 136	7	20
2-Butanone (MEK)	ND		13500	12800		ug/Kg	☼	95	46 - 132	10	20
2-Hexanone	ND		13500	12200		ug/Kg	☼	91	44 - 130	7	20
4-Methyl-2-pentanone (MIBK)	ND		13500	12300		ug/Kg	☼	91	49 - 125	6	20
Acetone	ND		13500	13500		ug/Kg	☼	100	32 - 136	14	20
Benzene	ND		2700	2550		ug/Kg	☼	95	68 - 137	8	20

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

Lab Sample ID: 480-186593-1 MSD
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-52 (24-25.5) MSD
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromodichloromethane	ND		2700	2360		ug/Kg	☼	87	62 - 136	6	20
Bromoform	ND		2700	2050		ug/Kg	☼	76	43 - 134	4	20
Bromomethane	ND		2700	2590		ug/Kg	☼	96	38 - 137	3	20
Carbon disulfide	ND		2700	2260		ug/Kg	☼	84	52 - 139	17	20
Carbon tetrachloride	ND		2700	2200		ug/Kg	☼	81	60 - 150	16	20
Chlorobenzene	ND		2700	2600		ug/Kg	☼	96	67 - 136	6	20
Chloroethane	ND		2700	2990		ug/Kg	☼	111	34 - 140	17	20
Chloroform	ND		2700	2400		ug/Kg	☼	89	64 - 133	14	20
Chloromethane	ND		2700	2580		ug/Kg	☼	95	47 - 143	18	20
cis-1,2-Dichloroethene	1100		2700	3330		ug/Kg	☼	84	65 - 137	10	20
cis-1,3-Dichloropropene	ND		2700	2510		ug/Kg	☼	93	61 - 148	7	20
Cyclohexane	ND		2700	2690		ug/Kg	☼	100	63 - 149	8	20
Dibromochloromethane	ND		2700	2170		ug/Kg	☼	80	57 - 137	10	20
Dichlorodifluoromethane	ND	F2	2700	1590	F2	ug/Kg	☼	59	26 - 150	27	20
Ethylbenzene	ND		2700	2490		ug/Kg	☼	92	67 - 136	10	20
Isopropylbenzene	ND		2700	2700		ug/Kg	☼	100	65 - 147	8	20
Methyl acetate	ND		5400	4800		ug/Kg	☼	89	50 - 124	9	20
Methyl tert-butyl ether	ND		2700	2790		ug/Kg	☼	103	60 - 130	5	20
Methylcyclohexane	ND		2700	2560		ug/Kg	☼	95	67 - 150	15	20
Methylene Chloride	ND		2700	2920		ug/Kg	☼	108	63 - 138	2	20
Styrene	ND		2700	2440		ug/Kg	☼	90	68 - 137	13	20
Tetrachloroethene	ND		2700	2260		ug/Kg	☼	84	67 - 150	15	20
Toluene	ND		2700	2600		ug/Kg	☼	96	68 - 137	9	20
trans-1,2-Dichloroethene	ND		2700	2530		ug/Kg	☼	94	65 - 138	11	20
trans-1,3-Dichloropropene	ND		2700	2580		ug/Kg	☼	95	58 - 143	2	20
Trichloroethene	21000		2700	18200	4	ug/Kg	☼	-91	69 - 143	11	20
Trichlorofluoromethane	ND		2700	2580		ug/Kg	☼	96	35 - 150	9	20
Vinyl chloride	ND		2700	2770		ug/Kg	☼	103	56 - 150	13	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Dibromofluoromethane (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*95*		*50 - 149*

Lab Sample ID: 480-186593-4 MS
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-51 (31.6-32) MS
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		3060	2860		ug/Kg	☼	93	64 - 142
1,1,2,2-Tetrachloroethane	ND		3060	3100		ug/Kg	☼	101	56 - 128
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3060	3590		ug/Kg	☼	117	64 - 154
1,1,2-Trichloroethane	ND		3060	2990		ug/Kg	☼	97	63 - 133
1,1-Dichloroethane	ND		3060	3060		ug/Kg	☼	100	64 - 135
1,1-Dichloroethene	ND		3060	3640		ug/Kg	☼	119	62 - 145
1,2,4-Trichlorobenzene	ND		3060	3130		ug/Kg	☼	102	56 - 145
1,2-Dibromo-3-Chloropropane	ND		3060	2720		ug/Kg	☼	89	40 - 122

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

Lab Sample ID: 480-186593-4 MS
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-51 (31.6-32) MS
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane	ND		3060	3120		ug/Kg	☼	102	65 - 133
1,2-Dichlorobenzene	ND		3060	2950		ug/Kg	☼	96	68 - 133
1,2-Dichloroethane	ND		3060	3160		ug/Kg	☼	103	62 - 135
1,2-Dichloropropane	ND		3060	2810		ug/Kg	☼	92	67 - 139
1,3-Dichlorobenzene	ND		3060	3070		ug/Kg	☼	100	68 - 136
1,4-Dichlorobenzene	ND		3060	2890		ug/Kg	☼	94	69 - 136
2-Butanone (MEK)	ND		15300	14700		ug/Kg	☼	96	46 - 132
2-Hexanone	ND		15300	14900		ug/Kg	☼	97	44 - 130
4-Methyl-2-pentanone (MIBK)	ND		15300	14700		ug/Kg	☼	96	49 - 125
Acetone	ND		15300	17000		ug/Kg	☼	111	32 - 136
Benzene	ND		3060	3170		ug/Kg	☼	103	68 - 137
Bromodichloromethane	ND		3060	2880		ug/Kg	☼	94	62 - 136
Bromoform	ND		3060	2180		ug/Kg	☼	71	43 - 134
Bromomethane	ND		3060	3570		ug/Kg	☼	116	38 - 137
Carbon disulfide	ND		3060	2900		ug/Kg	☼	95	52 - 139
Carbon tetrachloride	ND		3060	2670		ug/Kg	☼	87	60 - 150
Chlorobenzene	ND		3060	3100		ug/Kg	☼	101	67 - 136
Chloroethane	ND		3060	4280		ug/Kg	☼	140	34 - 140
Chloroform	ND		3060	3090		ug/Kg	☼	101	64 - 133
Chloromethane	ND		3060	3620		ug/Kg	☼	118	47 - 143
cis-1,2-Dichloroethene	ND		3060	3910		ug/Kg	☼	104	65 - 137
cis-1,3-Dichloropropene	ND		3060	2940		ug/Kg	☼	96	61 - 148
Cyclohexane	ND		3060	3340		ug/Kg	☼	109	63 - 149
Dibromochloromethane	ND		3060	2570		ug/Kg	☼	84	57 - 137
Dichlorodifluoromethane	ND		3060	2410		ug/Kg	☼	79	26 - 150
Ethylbenzene	ND		3060	3190		ug/Kg	☼	104	67 - 136
Isopropylbenzene	ND		3060	3210		ug/Kg	☼	105	65 - 147
Methyl acetate	ND		6130	5890		ug/Kg	☼	96	50 - 124
Methyl tert-butyl ether	ND		3060	3250		ug/Kg	☼	106	60 - 130
Methylcyclohexane	ND		3060	3280		ug/Kg	☼	107	67 - 150
Methylene Chloride	ND		3060	3590		ug/Kg	☼	117	63 - 138
Styrene	ND		3060	2880		ug/Kg	☼	94	68 - 137
Tetrachloroethene	ND		3060	2700		ug/Kg	☼	88	67 - 150
Toluene	ND		3060	3340		ug/Kg	☼	109	68 - 137
trans-1,2-Dichloroethene	ND		3060	3250		ug/Kg	☼	106	65 - 138
trans-1,3-Dichloropropene	ND		3060	2900		ug/Kg	☼	95	58 - 143
Trichloroethene	56000		3060	40300	4	ug/Kg	☼	-505	69 - 143
Trichlorofluoromethane	ND		3060	3370		ug/Kg	☼	110	35 - 150
Vinyl chloride	ND		3060	3580		ug/Kg	☼	117	56 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Dibromofluoromethane (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*92*		*50 - 149*

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

Lab Sample ID: 480-186593-4 MSD
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-51 (31.6-32) MSD
Prep Type: Total/NA
Prep Batch: 587319

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		3120	2820		ug/Kg	☼	90	64 - 142	1	20
1,1,2,2-Tetrachloroethane	ND		3120	2920		ug/Kg	☼	94	56 - 128	6	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3120	3430		ug/Kg	☼	110	64 - 154	5	20
1,1,2-Trichloroethane	ND		3120	3190		ug/Kg	☼	102	63 - 133	6	20
1,1-Dichloroethane	ND		3120	3200		ug/Kg	☼	102	64 - 135	4	20
1,1-Dichloroethene	ND		3120	3130		ug/Kg	☼	100	62 - 145	15	20
1,2,4-Trichlorobenzene	ND		3120	3000		ug/Kg	☼	96	56 - 145	4	20
1,2-Dibromo-3-Chloropropane	ND		3120	2650		ug/Kg	☼	85	40 - 122	3	20
1,2-Dibromoethane	ND		3120	3160		ug/Kg	☼	101	65 - 133	1	20
1,2-Dichlorobenzene	ND		3120	2780		ug/Kg	☼	89	68 - 133	6	20
1,2-Dichloroethane	ND		3120	3420		ug/Kg	☼	109	62 - 135	8	20
1,2-Dichloropropane	ND		3120	3120		ug/Kg	☼	100	67 - 139	10	20
1,3-Dichlorobenzene	ND		3120	2930		ug/Kg	☼	94	68 - 136	4	20
1,4-Dichlorobenzene	ND		3120	2950		ug/Kg	☼	94	69 - 136	2	20
2-Butanone (MEK)	ND		15600	16200		ug/Kg	☼	104	46 - 132	10	20
2-Hexanone	ND		15600	15200		ug/Kg	☼	97	44 - 130	2	20
4-Methyl-2-pentanone (MIBK)	ND		15600	14800		ug/Kg	☼	95	49 - 125	1	20
Acetone	ND		15600	17000		ug/Kg	☼	109	32 - 136	0	20
Benzene	ND		3120	3140		ug/Kg	☼	101	68 - 137	1	20
Bromodichloromethane	ND		3120	2810		ug/Kg	☼	90	62 - 136	2	20
Bromoform	ND		3120	2530		ug/Kg	☼	81	43 - 134	15	20
Bromomethane	ND		3120	3580		ug/Kg	☼	115	38 - 137	1	20
Carbon disulfide	ND		3120	2850		ug/Kg	☼	91	52 - 139	2	20
Carbon tetrachloride	ND		3120	2780		ug/Kg	☼	89	60 - 150	4	20
Chlorobenzene	ND		3120	3210		ug/Kg	☼	103	67 - 136	3	20
Chloroethane	ND		3120	3650		ug/Kg	☼	117	34 - 140	16	20
Chloroform	ND		3120	3210		ug/Kg	☼	103	64 - 133	4	20
Chloromethane	ND		3120	3240		ug/Kg	☼	104	47 - 143	11	20
cis-1,2-Dichloroethene	ND		3120	3740		ug/Kg	☼	97	65 - 137	4	20
cis-1,3-Dichloropropene	ND		3120	2940		ug/Kg	☼	94	61 - 148	0	20
Cyclohexane	ND		3120	3080		ug/Kg	☼	99	63 - 149	8	20
Dibromochloromethane	ND		3120	2790		ug/Kg	☼	89	57 - 137	8	20
Dichlorodifluoromethane	ND		3120	2270		ug/Kg	☼	73	26 - 150	6	20
Ethylbenzene	ND		3120	3090		ug/Kg	☼	99	67 - 136	3	20
Isopropylbenzene	ND		3120	3150		ug/Kg	☼	101	65 - 147	2	20
Methyl acetate	ND		6250	6190		ug/Kg	☼	99	50 - 124	5	20
Methyl tert-butyl ether	ND		3120	3280		ug/Kg	☼	105	60 - 130	1	20
Methylcyclohexane	ND		3120	3030		ug/Kg	☼	97	67 - 150	8	20
Methylene Chloride	ND		3120	3580		ug/Kg	☼	115	63 - 138	0	20
Styrene	ND		3120	2970		ug/Kg	☼	95	68 - 137	3	20
Tetrachloroethene	ND		3120	2980		ug/Kg	☼	95	67 - 150	10	20
Toluene	ND		3120	3160		ug/Kg	☼	101	68 - 137	5	20
trans-1,2-Dichloroethene	ND		3120	2970		ug/Kg	☼	95	65 - 138	9	20
trans-1,3-Dichloropropene	ND		3120	3070		ug/Kg	☼	98	58 - 143	5	20
Trichloroethene	56000		3120	39700	4	ug/Kg	☼	-517	69 - 143	2	20
Trichlorofluoromethane	ND		3120	3390		ug/Kg	☼	109	35 - 150	1	20
Vinyl chloride	ND		3120	3580		ug/Kg	☼	115	56 - 150	0	20

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

Lab Sample ID: 480-186593-4 MSD
Matrix: Solid
Analysis Batch: 587334

Client Sample ID: D-51 (31.6-32) MSD
Prep Type: Total/NA
Prep Batch: 587319

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*
Dibromofluoromethane (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*91*		*50 - 149*

Lab Sample ID: MB 480-587465/8
Matrix: Water
Analysis Batch: 587465

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,1-Dichloroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,1-Dichloroethene	ND		1.0		ug/L			06/29/21 20:37	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/29/21 20:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/29/21 20:37	1
1,2-Dibromoethane	ND		1.0		ug/L			06/29/21 20:37	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/29/21 20:37	1
1,2-Dichloroethane	ND		1.0		ug/L			06/29/21 20:37	1
1,2-Dichloropropane	ND		1.0		ug/L			06/29/21 20:37	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/29/21 20:37	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/29/21 20:37	1
2-Butanone (MEK)	ND		10		ug/L			06/29/21 20:37	1
2-Hexanone	ND		5.0		ug/L			06/29/21 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/29/21 20:37	1
Acetone	ND		10		ug/L			06/29/21 20:37	1
Benzene	ND		1.0		ug/L			06/29/21 20:37	1
Bromodichloromethane	ND		1.0		ug/L			06/29/21 20:37	1
Bromoform	ND		1.0		ug/L			06/29/21 20:37	1
Bromomethane	ND		1.0		ug/L			06/29/21 20:37	1
Carbon disulfide	ND		1.0		ug/L			06/29/21 20:37	1
Carbon tetrachloride	ND		1.0		ug/L			06/29/21 20:37	1
Chlorobenzene	ND		1.0		ug/L			06/29/21 20:37	1
Chloroethane	ND		1.0		ug/L			06/29/21 20:37	1
Chloroform	ND		1.0		ug/L			06/29/21 20:37	1
Chloromethane	ND		1.0		ug/L			06/29/21 20:37	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/29/21 20:37	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/29/21 20:37	1
Cyclohexane	ND		1.0		ug/L			06/29/21 20:37	1
Dibromochloromethane	ND		1.0		ug/L			06/29/21 20:37	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/29/21 20:37	1
Ethylbenzene	ND		1.0		ug/L			06/29/21 20:37	1
Isopropylbenzene	ND		1.0		ug/L			06/29/21 20:37	1
Methyl acetate	ND		2.5		ug/L			06/29/21 20:37	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/29/21 20:37	1
Methylcyclohexane	ND		1.0		ug/L			06/29/21 20:37	1

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

Lab Sample ID: MB 480-587465/8
Matrix: Water
Analysis Batch: 587465

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0		ug/L			06/29/21 20:37	1
Styrene	ND		1.0		ug/L			06/29/21 20:37	1
Tetrachloroethene	ND		1.0		ug/L			06/29/21 20:37	1
Toluene	ND		1.0		ug/L			06/29/21 20:37	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/29/21 20:37	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/29/21 20:37	1
Trichloroethene	ND		1.0		ug/L			06/29/21 20:37	1
Trichlorofluoromethane	ND		1.0		ug/L			06/29/21 20:37	1
Vinyl chloride	ND		1.0		ug/L			06/29/21 20:37	1
Xylenes, Total	ND		2.0		ug/L			06/29/21 20:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*06/29/21 20:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*06/29/21 20:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*06/29/21 20:37*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*06/29/21 20:37*	*1*

Lab Sample ID: LCS 480-587465/6
Matrix: Water
Analysis Batch: 587465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	27.8		ug/L		111	61 - 148
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	26.1		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	27.5		ug/L		110	66 - 127
1,2,4-Trichlorobenzene	25.0	25.8		ug/L		103	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	23.7		ug/L		95	56 - 134
1,2-Dibromoethane	25.0	24.4		ug/L		98	77 - 120
1,2-Dichlorobenzene	25.0	24.5		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.4		ug/L		101	76 - 120
1,3-Dichlorobenzene	25.0	24.3		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.2		ug/L		97	80 - 120
2-Butanone (MEK)	125	127		ug/L		102	57 - 140
2-Hexanone	125	116		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	120		ug/L		96	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	24.4		ug/L		97	80 - 122
Bromoform	25.0	25.4		ug/L		102	61 - 132
Bromomethane	25.0	25.1		ug/L		100	55 - 144
Carbon disulfide	25.0	28.0		ug/L		112	59 - 134
Carbon tetrachloride	25.0	28.1		ug/L		113	72 - 134
Chlorobenzene	25.0	24.7		ug/L		99	80 - 120
Chloroethane	25.0	25.4		ug/L		102	69 - 136

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

Lab Sample ID: LCS 480-587465/6
Matrix: Water
Analysis Batch: 587465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	23.4		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	26.8		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	24.5		ug/L		98	74 - 124
Cyclohexane	25.0	27.3		ug/L		109	59 - 135
Dibromochloromethane	25.0	24.7		ug/L		99	75 - 125
Dichlorodifluoromethane	25.0	20.0		ug/L		80	59 - 135
Ethylbenzene	25.0	24.4		ug/L		98	77 - 123
Isopropylbenzene	25.0	26.5		ug/L		106	77 - 122
Methyl acetate	50.0	48.0		ug/L		96	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		103	77 - 120
Methylcyclohexane	25.0	26.4		ug/L		105	68 - 134
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
Styrene	25.0	24.2		ug/L		97	80 - 120
Tetrachloroethene	25.0	25.7		ug/L		103	74 - 122
Toluene	25.0	24.7		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.9		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	24.8		ug/L		99	80 - 120
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Trichlorofluoromethane	25.0	25.9		ug/L		104	62 - 150
Vinyl chloride	25.0	25.4		ug/L		102	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: MB 480-587538/7
Matrix: Water
Analysis Batch: 587538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,1,2-Trichloroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,1-Dichloroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,1-Dichloroethene	ND		1.0		ug/L			06/30/21 11:18	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			06/30/21 11:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			06/30/21 11:18	1
1,2-Dibromoethane	ND		1.0		ug/L			06/30/21 11:18	1
1,2-Dichlorobenzene	ND		1.0		ug/L			06/30/21 11:18	1
1,2-Dichloroethane	ND		1.0		ug/L			06/30/21 11:18	1
1,2-Dichloropropane	ND		1.0		ug/L			06/30/21 11:18	1
1,3-Dichlorobenzene	ND		1.0		ug/L			06/30/21 11:18	1
1,4-Dichlorobenzene	ND		1.0		ug/L			06/30/21 11:18	1
2-Butanone (MEK)	ND		10		ug/L			06/30/21 11:18	1

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

Lab Sample ID: MB 480-587538/7
Matrix: Water
Analysis Batch: 587538

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		5.0		ug/L			06/30/21 11:18	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			06/30/21 11:18	1
Acetone	ND		10		ug/L			06/30/21 11:18	1
Benzene	ND		1.0		ug/L			06/30/21 11:18	1
Bromodichloromethane	ND		1.0		ug/L			06/30/21 11:18	1
Bromoform	ND		1.0		ug/L			06/30/21 11:18	1
Bromomethane	ND		1.0		ug/L			06/30/21 11:18	1
Carbon disulfide	ND		1.0		ug/L			06/30/21 11:18	1
Carbon tetrachloride	ND		1.0		ug/L			06/30/21 11:18	1
Chlorobenzene	ND		1.0		ug/L			06/30/21 11:18	1
Chloroethane	ND		1.0		ug/L			06/30/21 11:18	1
Chloroform	ND		1.0		ug/L			06/30/21 11:18	1
Chloromethane	ND		1.0		ug/L			06/30/21 11:18	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 11:18	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 11:18	1
Cyclohexane	ND		1.0		ug/L			06/30/21 11:18	1
Dibromochloromethane	ND		1.0		ug/L			06/30/21 11:18	1
Dichlorodifluoromethane	ND		1.0		ug/L			06/30/21 11:18	1
Ethylbenzene	ND		1.0		ug/L			06/30/21 11:18	1
Isopropylbenzene	ND		1.0		ug/L			06/30/21 11:18	1
Methyl acetate	ND		2.5		ug/L			06/30/21 11:18	1
Methyl tert-butyl ether	ND		1.0		ug/L			06/30/21 11:18	1
Methylcyclohexane	ND		1.0		ug/L			06/30/21 11:18	1
Methylene Chloride	ND		1.0		ug/L			06/30/21 11:18	1
Styrene	ND		1.0		ug/L			06/30/21 11:18	1
Tetrachloroethene	ND		1.0		ug/L			06/30/21 11:18	1
Toluene	ND		1.0		ug/L			06/30/21 11:18	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			06/30/21 11:18	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			06/30/21 11:18	1
Trichloroethene	ND		1.0		ug/L			06/30/21 11:18	1
Trichlorofluoromethane	ND		1.0		ug/L			06/30/21 11:18	1
Vinyl chloride	ND		1.0		ug/L			06/30/21 11:18	1
Xylenes, Total	ND		2.0		ug/L			06/30/21 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*06/30/21 11:18*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*06/30/21 11:18*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 123*		*06/30/21 11:18*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*06/30/21 11:18*	*1*

Lab Sample ID: LCS 480-587538/5
Matrix: Water
Analysis Batch: 587538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1,1-Trichloroethane			25.0	23.6		ug/L		94	73 - 126		
1,1,2,2-Tetrachloroethane			25.0	22.7		ug/L		91	76 - 120		
1,1,2-Trichloro-1,2,2-trifluoroetha ne			25.0	28.4		ug/L		114	61 - 148		

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

Lab Sample ID: LCS 480-587538/5
Matrix: Water
Analysis Batch: 587538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
1,2,4-Trichlorobenzene	25.0	21.4		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	21.3		ug/L		85	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	20.9		ug/L		84	80 - 124
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	22.4		ug/L		90	76 - 120
1,3-Dichlorobenzene	25.0	22.3		ug/L		89	77 - 120
1,4-Dichlorobenzene	25.0	21.2		ug/L		85	80 - 120
2-Butanone (MEK)	125	113		ug/L		90	57 - 140
2-Hexanone	125	116		ug/L		93	65 - 127
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		92	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	24.2		ug/L		97	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	24.0		ug/L		96	61 - 132
Bromomethane	25.0	25.7		ug/L		103	55 - 144
Carbon disulfide	25.0	25.6		ug/L		102	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		103	72 - 134
Chlorobenzene	25.0	24.6		ug/L		98	80 - 120
Chloroethane	25.0	27.3		ug/L		109	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		101	74 - 124
Cyclohexane	25.0	25.2		ug/L		101	59 - 135
Dibromochloromethane	25.0	23.8		ug/L		95	75 - 125
Dichlorodifluoromethane	25.0	20.8		ug/L		83	59 - 135
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Isopropylbenzene	25.0	24.1		ug/L		96	77 - 122
Methyl acetate	50.0	45.5		ug/L		91	74 - 133
Methyl tert-butyl ether	25.0	25.0		ug/L		100	77 - 120
Methylcyclohexane	25.0	26.6		ug/L		106	68 - 134
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
Styrene	25.0	25.2		ug/L		101	80 - 120
Tetrachloroethene	25.0	22.3		ug/L		89	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120
Trichloroethene	25.0	23.7		ug/L		95	74 - 123
Trichlorofluoromethane	25.0	25.1		ug/L		100	62 - 150
Vinyl chloride	25.0	25.1		ug/L		101	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*

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

Lab Sample ID: LCS 480-587538/5
Matrix: Water
Analysis Batch: 587538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane (Surr)	*100*		*75 - 123*
Toluene-d8 (Surr)	*94*		*80 - 120*

Method: ASTM D2974 - Moisture, Ash and Organic Matter

Lab Sample ID: 480-186546-2 DU
Matrix: Solid
Analysis Batch: 363783

Client Sample ID: D-71 (8-8.5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Organic Matter	2.1			2.0		%				0.6	10
Ash Content	97.9			98.0		%				0	10
Moisture Content	13.9			13.2		%				5	10

GC/MS VOA

Prep Batch: 587318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-1	D-77 (31.2-31.8)	Total/NA	Solid	5035A_H	
480-186546-3	D-71 (10.3-10.7)	Total/NA	Solid	5035A_H	
480-186546-4	D-71 (10.9-11.5)	Total/NA	Solid	5035A_H	
480-186546-5	D-71 (26.3-27)	Total/NA	Solid	5035A_H	
480-186546-6	D-71 (30.1-3.07)	Total/NA	Solid	5035A_H	
480-186546-8	D-78 (2.8-3)	Total/NA	Solid	5035A_H	
480-186546-9	DUP-04-20210624	Total/NA	Solid	5035A_H	
480-186546-10	D-78 (27.4-27.8)	Total/NA	Solid	5035A_H	
480-186546-11	D-78 (31.3-31.8)	Total/NA	Solid	5035A_H	
480-186546-12	D-53 (31.7-32)	Total/NA	Solid	5035A_H	
480-186546-13	D-53 (28-28.3)	Total/NA	Solid	5035A_H	
480-186546-13 - DL	D-53 (28-28.3)	Total/NA	Solid	5035A_H	
MB 480-587318/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-587318/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186546-4 MS	D-71 (10.9-11.5)	Total/NA	Solid	5035A_H	
480-186546-4 MSD	D-71 (10.9-11.5	Total/NA	Solid	5035A_H	

Prep Batch: 587319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186593-1	D-52 (24-25.5)	Total/NA	Solid	5035A_H	
480-186593-2	D-52 (28-28.4)	Total/NA	Solid	5035A_H	
480-186593-3	D-51 (20-20.7)	Total/NA	Solid	5035A_H	
480-186593-4	D-51 (31.6-32)	Total/NA	Solid	5035A_H	
480-186593-7	DUP-05-20210625	Total/NA	Solid	5035A_H	
480-186593-8	DUP-06-20210625	Total/NA	Solid	5035A_H	
480-186593-9	D-78 (2.8-3.1)	Total/NA	Solid	5035A_H	
480-186593-10	D-78 (1.9-2.2)	Total/NA	Solid	5035A_H	
MB 480-587319/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-587319/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-186593-1 MS	D-52 (24-25.5) MS	Total/NA	Solid	5035A_H	
480-186593-1 MSD	D-52 (24-25.5) MSD	Total/NA	Solid	5035A_H	
480-186593-4 MS	D-51 (31.6-32) MS	Total/NA	Solid	5035A_H	
480-186593-4 MSD	D-51 (31.6-32) MSD	Total/NA	Solid	5035A_H	

Analysis Batch: 587334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186593-1	D-52 (24-25.5)	Total/NA	Solid	8260C	587319
480-186593-2	D-52 (28-28.4)	Total/NA	Solid	8260C	587319
480-186593-3	D-51 (20-20.7)	Total/NA	Solid	8260C	587319
480-186593-4	D-51 (31.6-32)	Total/NA	Solid	8260C	587319
480-186593-7	DUP-05-20210625	Total/NA	Solid	8260C	587319
480-186593-8	DUP-06-20210625	Total/NA	Solid	8260C	587319
480-186593-9	D-78 (2.8-3.1)	Total/NA	Solid	8260C	587319
480-186593-10	D-78 (1.9-2.2)	Total/NA	Solid	8260C	587319
MB 480-587319/2-A	Method Blank	Total/NA	Solid	8260C	587319
LCS 480-587319/1-A	Lab Control Sample	Total/NA	Solid	8260C	587319
480-186593-1 MS	D-52 (24-25.5) MS	Total/NA	Solid	8260C	587319
480-186593-1 MSD	D-52 (24-25.5) MSD	Total/NA	Solid	8260C	587319
480-186593-4 MS	D-51 (31.6-32) MS	Total/NA	Solid	8260C	587319
480-186593-4 MSD	D-51 (31.6-32) MSD	Total/NA	Solid	8260C	587319

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

GC/MS VOA

Analysis Batch: 587336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-1	D-77 (31.2-31.8)	Total/NA	Solid	8260C	587318
480-186546-3	D-71 (10.3-10.7)	Total/NA	Solid	8260C	587318
480-186546-4	D-71 (10.9-11.5)	Total/NA	Solid	8260C	587318
480-186546-5	D-71 (26.3-27)	Total/NA	Solid	8260C	587318
480-186546-6	D-71 (30.1-3.07)	Total/NA	Solid	8260C	587318
480-186546-8	D-78 (2.8-3)	Total/NA	Solid	8260C	587318
480-186546-9	DUP-04-20210624	Total/NA	Solid	8260C	587318
480-186546-10	D-78 (27.4-27.8)	Total/NA	Solid	8260C	587318
480-186546-11	D-78 (31.3-31.8)	Total/NA	Solid	8260C	587318
480-186546-12	D-53 (31.7-32)	Total/NA	Solid	8260C	587318
480-186546-13	D-53 (28-28.3)	Total/NA	Solid	8260C	587318
MB 480-587318/2-A	Method Blank	Total/NA	Solid	8260C	587318
LCS 480-587318/1-A	Lab Control Sample	Total/NA	Solid	8260C	587318
480-186546-4 MS	D-71 (10.9-11.5)	Total/NA	Solid	8260C	587318
480-186546-4 MSD	D-71 (10.9-11.5	Total/NA	Solid	8260C	587318

Analysis Batch: 587465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-7	EB-04-20210624	Total/NA	Water	8260C	
480-186546-14	EB-05-20210624	Total/NA	Water	8260C	
480-186546-15	TRIP BLANK-20210624	Total/NA	Water	8260C	
MB 480-587465/8	Method Blank	Total/NA	Water	8260C	
LCS 480-587465/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 587538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-13 - DL	D-53 (28-28.3)	Total/NA	Solid	8260C	587318
480-186593-5	EB-06-20210625	Total/NA	Water	8260C	
480-186593-6	TRIP BLANK-20210625	Total/NA	Water	8260C	
MB 480-587538/7	Method Blank	Total/NA	Water	8260C	
LCS 480-587538/5	Lab Control Sample	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 587067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-1	D-77 (31.2-31.8)	Total/NA	Solid	Moisture	
480-186546-3	D-71 (10.3-10.7)	Total/NA	Solid	Moisture	
480-186546-4	D-71 (10.9-11.5)	Total/NA	Solid	Moisture	
480-186546-5	D-71 (26.3-27)	Total/NA	Solid	Moisture	
480-186546-6	D-71 (30.1-3.07)	Total/NA	Solid	Moisture	
480-186546-8	D-78 (2.8-3)	Total/NA	Solid	Moisture	
480-186546-9	DUP-04-20210624	Total/NA	Solid	Moisture	
480-186546-10	D-78 (27.4-27.8)	Total/NA	Solid	Moisture	
480-186546-11	D-78 (31.3-31.8)	Total/NA	Solid	Moisture	
480-186546-12	D-53 (31.7-32)	Total/NA	Solid	Moisture	
480-186546-4 MS	D-71 (10.9-11.5)	Total/NA	Solid	Moisture	
480-186546-4 MSD	D-71 (10.9-11.5	Total/NA	Solid	Moisture	

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

General Chemistry

Analysis Batch: 587144

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-13	D-53 (28-28.3)	Total/NA	Solid	Moisture	

Analysis Batch: 587281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186593-1	D-52 (24-25.5)	Total/NA	Solid	Moisture	
480-186593-2	D-52 (28-28.4)	Total/NA	Solid	Moisture	
480-186593-3	D-51 (20-20.7)	Total/NA	Solid	Moisture	
480-186593-4	D-51 (31.6-32)	Total/NA	Solid	Moisture	
480-186593-7	DUP-05-20210625	Total/NA	Solid	Moisture	
480-186593-8	DUP-06-20210625	Total/NA	Solid	Moisture	
480-186593-9	D-78 (2.8-3.1)	Total/NA	Solid	Moisture	
480-186593-10	D-78 (1.9-2.2)	Total/NA	Solid	Moisture	
480-186593-1 MS	D-52 (24-25.5) MS	Total/NA	Solid	Moisture	
480-186593-1 MSD	D-52 (24-25.5) MSD	Total/NA	Solid	Moisture	
480-186593-4 MS	D-51 (31.6-32) MS	Total/NA	Solid	Moisture	
480-186593-4 MSD	D-51 (31.6-32) MSD	Total/NA	Solid	Moisture	

Geotechnical

Analysis Batch: 363783

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186546-2	D-71 (8-8.5)	Total/NA	Solid	ASTM D2974	
480-186546-2 DU	D-71 (8-8.5)	Total/NA	Solid	ASTM D2974	

Client Sample ID: D-77 (31.2-31.8)
Date Collected: 06/24/21 09:05
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-77 (31.2-31.8)
Date Collected: 06/24/21 09:05
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-1
Matrix: Solid
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587336	06/29/21 12:56	WJD	TAL BUF

Client Sample ID: D-71 (8-8.5)
Date Collected: 06/24/21 10:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	ASTM D2974		1	363783	07/09/21 18:42	PMH	TAL PIT

Client Sample ID: D-71 (10.3-10.7)
Date Collected: 06/24/21 09:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-71 (10.3-10.7)
Date Collected: 06/24/21 09:40
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-3
Matrix: Solid
Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		80	587336	06/29/21 13:19	WJD	TAL BUF

Client Sample ID: D-71 (10.9-11.5)
Date Collected: 06/24/21 10:50
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-71 (10.9-11.5)
Date Collected: 06/24/21 10:50
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-4
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		40	587336	06/29/21 13:42	WJD	TAL BUF

Client Sample ID: D-71 (26.3-27)
Date Collected: 06/24/21 10:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-71 (26.3-27)
Date Collected: 06/24/21 10:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-5
Matrix: Solid
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		50	587336	06/29/21 14:05	WJD	TAL BUF

Client Sample ID: D-71 (30.1-3.07)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-71 (30.1-3.07)
Date Collected: 06/24/21 12:55
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-6
Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587336	06/29/21 14:29	WJD	TAL BUF

Client Sample ID: EB-04-20210624
Date Collected: 06/24/21 11:15
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587465	06/30/21 03:58	CRL	TAL BUF

Client Sample ID: D-78 (2.8-3)
Date Collected: 06/24/21 11:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-78 (2.8-3)
Date Collected: 06/24/21 11:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-8
Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587336	06/29/21 14:52	WJD	TAL BUF

Client Sample ID: DUP-04-20210624
Lab Sample ID: 480-186546-9
Date Collected: 06/24/21 00:00
Matrix: Solid
Date Received: 06/25/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: DUP-04-20210624
Lab Sample ID: 480-186546-9
Date Collected: 06/24/21 00:00
Matrix: Solid
Date Received: 06/25/21 10:00
Percent Solids: 92.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587336	06/29/21 15:15	WJD	TAL BUF

Client Sample ID: D-78 (27.4-27.8)
Lab Sample ID: 480-186546-10
Date Collected: 06/24/21 12:40
Matrix: Solid
Date Received: 06/25/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-78 (27.4-27.8)
Lab Sample ID: 480-186546-10
Date Collected: 06/24/21 12:40
Matrix: Solid
Date Received: 06/25/21 10:00
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		4	587336	06/29/21 15:38	WJD	TAL BUF

Client Sample ID: D-78 (31.3-31.8)
Lab Sample ID: 480-186546-11
Date Collected: 06/24/21 12:55
Matrix: Solid
Date Received: 06/25/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Client Sample ID: D-78 (31.3-31.8)
Lab Sample ID: 480-186546-11
Date Collected: 06/24/21 12:55
Matrix: Solid
Date Received: 06/25/21 10:00
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		20	587336	06/29/21 16:00	WJD	TAL BUF

Client Sample ID: D-53 (31.7-32)
Lab Sample ID: 480-186546-12
Date Collected: 06/24/21 14:35
Matrix: Solid
Date Received: 06/25/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587067	06/25/21 16:12	CLA	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-53 (31.7-32)
Date Collected: 06/24/21 14:35
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-12
Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		4	587336	06/29/21 16:24	WJD	TAL BUF

Client Sample ID: D-53 (28-28.3)
Date Collected: 06/24/21 15:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587144	06/27/21 11:58	DSC	TAL BUF

Client Sample ID: D-53 (28-28.3)
Date Collected: 06/24/21 15:45
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-13
Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587336	06/29/21 16:47	WJD	TAL BUF
Total/NA	Prep	5035A_H	DL		587318	06/28/21 22:05	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	2	587538	06/30/21 11:51	WJD	TAL BUF

Client Sample ID: EB-05-20210624
Date Collected: 06/24/21 15:20
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587465	06/30/21 04:22	CRL	TAL BUF

Client Sample ID: TRIP BLANK-20210624
Date Collected: 06/24/21 00:00
Date Received: 06/25/21 10:00

Lab Sample ID: 480-186546-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587465	06/30/21 04:45	CRL	TAL BUF

Client Sample ID: D-52 (24-25.5)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-52 (24-25.5)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-1
Matrix: Solid
Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		4	587334	06/29/21 14:35	WJD	TAL BUF

Client Sample ID: D-52 (28-28.4)
Date Collected: 06/25/21 11:40
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: D-52 (28-28.4)
Date Collected: 06/25/21 11:40
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-2
Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		2	587334	06/29/21 14:58	WJD	TAL BUF

Client Sample ID: D-51 (20-20.7)
Date Collected: 06/25/21 11:50
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: D-51 (20-20.7)
Date Collected: 06/25/21 11:50
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-3
Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587334	06/29/21 15:21	WJD	TAL BUF

Client Sample ID: D-51 (31.6-32)
Date Collected: 06/25/21 13:30
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: D-51 (31.6-32)
Lab Sample ID: 480-186593-4

Date Collected: 06/25/21 13:30
Matrix: Solid
Date Received: 06/26/21 10:00
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587334	06/29/21 15:44	WJD	TAL BUF

Client Sample ID: EB-06-20210625
Lab Sample ID: 480-186593-5

Date Collected: 06/25/21 13:15
Matrix: Water
Date Received: 06/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587538	06/30/21 19:35	WJD	TAL BUF

Client Sample ID: TRIP BLANK-20210625
Lab Sample ID: 480-186593-6

Date Collected: 06/25/21 00:00
Matrix: Water
Date Received: 06/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	587538	06/30/21 19:58	WJD	TAL BUF

Client Sample ID: DUP-05-20210625
Lab Sample ID: 480-186593-7

Date Collected: 06/25/21 00:00
Matrix: Solid
Date Received: 06/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: DUP-05-20210625
Lab Sample ID: 480-186593-7

Date Collected: 06/25/21 00:00
Matrix: Solid
Date Received: 06/26/21 10:00
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587334	06/29/21 16:07	WJD	TAL BUF

Client Sample ID: DUP-06-20210625
Lab Sample ID: 480-186593-8

Date Collected: 06/25/21 00:00
Matrix: Solid
Date Received: 06/26/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: DUP-06-20210625
Lab Sample ID: 480-186593-8

Date Collected: 06/25/21 00:00
Matrix: Solid
Date Received: 06/26/21 10:00
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587334	06/29/21 16:30	WJD	TAL BUF

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Client Sample ID: D-78 (2.8-3.1)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: D-78 (2.8-3.1)
Date Collected: 06/25/21 10:05
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-9
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		8	587334	06/29/21 16:53	WJD	TAL BUF

Client Sample ID: D-78 (1.9-2.2)
Date Collected: 06/25/21 10:10
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587281	06/28/21 16:00	DSC	TAL BUF

Client Sample ID: D-78 (1.9-2.2)
Date Collected: 06/25/21 10:10
Date Received: 06/26/21 10:00

Lab Sample ID: 480-186593-10
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			587319	06/28/21 22:38	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587334	06/29/21 17:16	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Job ID: 480-186546-1
Project/Site: GTEOSI - Seneca Falls

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Pittsburgh

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-21 *
California	State	2891	04-30-21 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	01-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-21
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-22
Minnesota	NELAP	042-999-482	12-31-21
Nevada	State	PA00164	07-31-21
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-22
New York	NELAP	11182	04-01-22
North Carolina (WW/SW)	State	434	12-31-21
North Dakota	State	R-227	04-30-21 *
Oregon	NELAP	PA-2151	02-06-22
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21
South Carolina	State	89014	05-30-22
Texas	NELAP	T104704528	03-31-22
US Fish & Wildlife	US Federal Programs	058448	07-31-21
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-21 *
Virginia	NELAP	10043	09-14-21
West Virginia DEP	State	142	01-31-22
Wisconsin	State	998027800	08-31-21

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

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
ASTM D2974	Moisture, Ash and Organic Matter	ASTM	TAL PIT
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186546-1	D-77 (31.2-31.8)	Solid	06/24/21 09:05	06/25/21 10:00	
480-186546-2	D-71 (8-8.5)	Solid	06/24/21 10:40	06/25/21 10:00	
480-186546-3	D-71 (10.3-10.7)	Solid	06/24/21 09:40	06/25/21 10:00	
480-186546-4	D-71 (10.9-11.5)	Solid	06/24/21 10:50	06/25/21 10:00	
480-186546-5	D-71 (26.3-27)	Solid	06/24/21 10:35	06/25/21 10:00	
480-186546-6	D-71 (30.1-3.07)	Solid	06/24/21 12:55	06/25/21 10:00	
480-186546-7	EB-04-20210624	Water	06/24/21 11:15	06/25/21 10:00	
480-186546-8	D-78 (2.8-3)	Solid	06/24/21 11:45	06/25/21 10:00	
480-186546-9	DUP-04-20210624	Solid	06/24/21 00:00	06/25/21 10:00	
480-186546-10	D-78 (27.4-27.8)	Solid	06/24/21 12:40	06/25/21 10:00	
480-186546-11	D-78 (31.3-31.8)	Solid	06/24/21 12:55	06/25/21 10:00	
480-186546-12	D-53 (31.7-32)	Solid	06/24/21 14:35	06/25/21 10:00	
480-186546-13	D-53 (28-28.3)	Solid	06/24/21 15:45	06/25/21 10:00	
480-186546-14	EB-05-20210624	Water	06/24/21 15:20	06/25/21 10:00	
480-186546-15	TRIP BLANK-20210624	Water	06/24/21 00:00	06/25/21 10:00	
480-186593-1	D-52 (24-25.5)	Solid	06/25/21 10:05	06/26/21 10:00	
480-186593-2	D-52 (28-28.4)	Solid	06/25/21 11:40	06/26/21 10:00	
480-186593-3	D-51 (20-20.7)	Solid	06/25/21 11:50	06/26/21 10:00	
480-186593-4	D-51 (31.6-32)	Solid	06/25/21 13:30	06/26/21 10:00	
480-186593-5	EB-06-20210625	Water	06/25/21 13:15	06/26/21 10:00	
480-186593-6	TRIP BLANK-20210625	Water	06/25/21 00:00	06/26/21 10:00	
480-186593-7	DUP-05-20210625	Solid	06/25/21 00:00	06/26/21 10:00	
480-186593-8	DUP-06-20210625	Solid	06/25/21 00:00	06/26/21 10:00	
480-186593-9	D-78 (2.8-3.1)	Solid	06/25/21 10:05	06/26/21 10:00	
480-186593-10	D-78 (1.9-2.2)	Solid	06/25/21 10:10	06/26/21 10:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

480-186546 Chain of Custody

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-77 (31.2-31.8)	6/24/21	0905	G	Solid			X			1	
D-71 (8-8.5)	6/24/21	1040	G	Solid				X		2	
~~D-71 (8-8.5) (MS/MSD)~~ (R)	6/24/21										(R)
D-71 (10.3-10.7)	6/24/21	0940	G	Solid			X			1	
D-71 (10.9-11.5)	6/24/21	1050	G	Solid			X			1	
D-71 (10.9-11.5) (MS/MSD)	6/24/21	1050	G	Solid			X			2	
D-71 (26.3-27)	6/24/21	1035	G	Solid			X			1	
D-71 (30.1-30.7)	6/24/21	1255	G	Solid			X			1	
EB-04-20210624	6/24/21	1115	G	Water					X	3	
D-78 (2.8-3)	6/24/21	1145	G	Solid			X			1	
Dup-04-20210624	6/24/21	—	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Ryan Clare	6/24/21 1830	Arcadis		6/25/21 1000	TAB
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #4 3.3

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-78(27.4-27.8)	6/24/21	1240	G	Solid			X			1	
D-78(31.3-31.8)	6/24/21	1255	G	Solid			X			1	
D-53(31.7-32)	6/24/21	1435	G	Solid			X			1	
D-53(28-28.3)	6/24/21	1545	G	Solid			X			1	
EB-05-20210624	6/24/21	1520	G	Water					X	3	
TRIP BLANK-20210624	6/8/21	—	G	Water					X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Ryan Clare	6/24/21 1830	Arcadis			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 1 of 2
Company: ARCADIS U.S. Inc	PWSID:	Analysis Requested		Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			Preservation Codes:
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, 4-5 specify)
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

480-186593 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-52 (24-25.5)	6/25/21	1005	G	Solid			X			1	
D-52 (24-25.5) (MS/MSD)	6/25/21	1005	G	Solid			X			2	
D-52 (28-28.4)	6/25/21	1140	G	Solid			X			1	
D-51 (20-20.7)	6/25/21	1150	G	Solid			X			1	
D-51 (31.6-32)	6/25/21	1330	G	Solid			X			1	
(R)	~~6/25/21~~		~~G~~	~~Solid~~			~~X~~			~~1~~	
D-51 (31.6-32) (MS/MSD)	6/25/21	1330	G	Solid			X			2	
EB-06-20210625	6/25/21	1315	G	Water					X	3	
TRIPBLANK_20210625	6/8/21	—	G	Water					X	2	
DUP-05-20210625	6/25/21	—	G	Solid			X			1	
DUP-06-20210625	6/25/21	—	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	6/25/21 1700	Arcadis		6/26/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.7

Ver: 01/16/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Phone (716) 691-7991

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ryan Clare	Lab PM: Schove, John R	Carrier Tracking No(s):	COC No: 480-161618-35504.1
Client Contact: Mark Flusche	Phone: 585-880-7747	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	Page: Page 2 of 2
Company: ARCADIS U.S. Inc	PWSID:			Job #:
Address: 855 Route 146 Suite 210	Due Date Requested:			
City: Clifton Park	TAT Requested (days): 10 Days (Standard)			
State, Zip: NY, 12065	Compliance Project: Δ Yes Δ No			
Phone: 518-250-7322(Tel)	PO #: VCRP036206			
Email: Ryan.Clare@arcadis.com	WO #: 30058452.00045			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL Volatiles	D_2974 - Moisture, Ash and Organic Matter	VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	A		
D-78(2.8-3.1)	6/25/21	1005	G	Solid			X			1	
D-78(1.9-2.2)	6/25/21	1010	G	Solid			X			1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Ryan Clare	6/25/21 1700	Arcadis		6/26/21 1000	TAS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

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

Chain of Custody Record

480-186546 Chain of Custody

Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Schove, John R		Page: Page 1 of 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: John.Schove@Eurofinset.com	State of Origin: New York	
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 480-186546-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 7/11/2021			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: GTEOSI - Seneca Falls	Project #: 48005146			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	D_2974/ Moisture, Ash and Organic Matter	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
D-71 8-8.5 (480-186546-2)	6/24/21	10:40 Eastern		Solid			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

Possible Hazard Identification *Unconfirmed*	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)* ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:		Method of Shipment:	
Relinquished by:	Date/Time: 6-25-21 1700	Company TAB	Received by:	Date/Time: 6-26-21 9:45	Company ETALOH	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:			

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186546-1

Login Number: 186546
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ARCADIS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186546-1

Login Number: 186546
List Number: 2
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh
List Creation: 06/26/21 11:45 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= 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?	N/A	
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.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-186546-1

Login Number: 186593
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	2.7 #1 ICE
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 sample IDs on the containers 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	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Appendix C

Validation Reports

Historical Outfall Data Usability Summary Reports

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

October 28, 2020

Mark Flusche
ARCADIS US, Inc.
855 Route 146 Suite 210
Clifton Park, NY 12065

RE: GTEOSI Seneca Falls, NY Soil Samples
Validation of the Analytical Data Packages and Data Usability Summary Report (DUSR)
Eurofins SDG Nos.480-172821-1, 480-172892-1, 480-173096-1, 480-173287-1, 480-173342-1, 480-173342-3, 480-173681-1, 480-173681-2, 480-174097-1, and 480-175031-1

Dear Mr. Flusche:

Review has been completed for the data packages generated by that pertain to soil samples collected between 07/23/20 and 09/11/20. One hundred and one samples and thirteen field duplicates were processed for total cadmium by USEPA SW846 method 6010C. Matrix spikes/duplicates were also analyzed. Data for other analytical fractions reported in the data packages did not require validation review.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Calibration, and Preparation Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* * Initial and Continuing Calibration Standards
* Serial Dilution Evaluations
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the samples are usable either as reported or with minor qualification. With the exception that one field duplicate correlation was of concern. Accuracy, precision, data completeness, representativeness, reproducibility, and comparability are acceptable.

The client sample identifications are attached to this text. Also included in this report are the EQuIS EDDs with recommended qualifiers applied in red.

Chain-of-Custody

The final laboratory receipt entry was not present on page 2 of the custody forms pertaining to samples reported in SDG 480-172872-1.

In one instance, the individual relinquishing the samples for the final laboratory transfer was not the same as that who previously received them.

Blind Field Duplicate Evaluation

The blind field duplicate evaluations of HO2-DITCH-06(1.0-1.5), HO4-DITCH-01(2.0-2.5), HO5-DITCH-03(1.5-2.0), HO3-DITCH-01(1.5-2.0), HO3-DITCH-03(1.5-2.0), HO6-DITCH-02(0.5-1.0), HO4-DITCH-04(3.0-3.5), HO4-DITCH-02(3.0-3.5), HO67-DITCH-05(0.0-0.5), HO67-DITCH-02(0.0-0.5), HO4-DITCH-03(2.0-2.5), HO4-DITCH-01(3.0-3.5), and HO7-DITCH-03(0.5-1.0) show correlations within validation guidelines, with the following exceptions, results for which are qualified in the parent samples and their duplicates: HO4-DITCH-01(2.0-2.5), HO3-DITCH-03(1.5-2.0), HO6-DITCH-02(0.5-1.0), HO4-DITCH-04(3.0-3.5), HO67-DITCH-05(0.0-0.5), HO7-DITCH-03(0.5-1.0), and HO67-DITCH-02(0.0-0.5).

The parent sample HO4-DITCH-04(3.0-3.5) show a concentration of 0.7 mg/kg, whereas its field duplicate shows a concentration above the DQO (of 9.3 mg/kg), at 18.4 mg/kg. It cannot be presumed that the parent sample result accurately reflects the concentrations at that location.

HO3-DITCH-03(1.5-2.0) also shows very poor correlation, but in this case, the parent sample is a higher value than its duplicate.

Total Cadmium by 6010C

Certain of the samples were reported as wet weight due to the matrix. They were pre-dried and powdered in the field prior to submission to the laboratory.

Matrix spikes of HO2-DITCH-06(0.5-1.0), HO6-DITCH-02(0.0-0.5), HO5-DITCH-01(1.5-2.0), HO4-DITCH-01(2.5-3.0), HO3-DITCH-01(1.0-1.5), HO4-DITCH-02(3.5-4.0), HO6-DITCH-01(0.0-0.5), HO3-DITCH-03(2.0-2.5), HO4-DITCH-03(2.5-3.0), HO67-DITCH-02(0.5-1.0), HO67-DITCH-04(0.5-1.0), HO67-DITCH-08(0.0-0.5). HO7-DITCH-04(1.0-1.5), and HO4-DITCH-03(2.5-3.0) show recoveries and correlations within validation guidelines, with the following exceptions, results for which are qualified in the indicated parent samples: HO3-DITCH-01(1.0-1.5), HO5-DITCH-01(1.5-2.0), HO3-DITCH-03(2.0-2.5), HO67-DITCH-04(0.5-1.0), and HO7-DITCH-04(1.0-1.5).

ICP serial dilution evaluations were performed on HO2-DITCH-06(0.5-1.0), HO6-DITCH-02(0.0-0.5), HO6-DITCH-01(0.0-0.5), HO67-DITCH-02(0.5-1.0), and HO3-DITCH-03(2.0-2.5). Correlations are within validation guidelines, with the following exceptions (17%D and 18%D), results for which are qualified in the indicated parent samples: HO6-DITCH-01(0.0-0.5), HO67-DITCH-02(0.5-1.0), and HO3-DITCH-03(2.0-2.5).

Instrument performance and LCS recoveries are compliant. Blanks show no contamination affecting reported results.

Some of the element results are at elevated reporting limits due to interferences.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Attachments: Validation Qualifier Definitions
Client and Laboratory Identifications
Qualified EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Summaries

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172821-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172821-1	HO2-DITCH-01 (0.0-0.5)	Solid	07/23/20 12:20	07/24/20 08:00	
480-172821-2	HO2-DITCH-01 (0.5-1.0)	Solid	07/23/20 12:30	07/24/20 08:00	
480-172821-3	HO2-DITCH-01 (1.0-1.5)	Solid	07/23/20 12:40	07/24/20 08:00	
480-172821-4	HO2-DITCH-01 (1.5-2.0)	Solid	07/23/20 12:50	07/24/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-172892-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-172892-1	HO2-DITCH-02 (0.0-0.5)	Solid	07/23/20 13:20	07/25/20 08:00	
480-172892-2	HO2-DITCH-02 (0.5-1.0)	Solid	07/23/20 13:30	07/25/20 08:00	
480-172892-3	HO2-DITCH-02 (1.0-1.5)	Solid	07/23/20 13:40	07/25/20 08:00	
480-172892-4	HO2-DITCH-02 (1.5-2.0)	Solid	07/23/20 13:50	07/25/20 08:00	
480-172892-5	HO2-DITCH-03 (0.0-0.5)	Solid	07/23/20 14:10	07/25/20 08:00	
480-172892-6	HO2-DITCH-03(0.5-1.0)	Solid	07/23/20 14:20	07/25/20 08:00	
480-172892-7	HO2-DITCH-03(1.0-1.5)	Solid	07/23/20 14:30	07/25/20 08:00	
480-172892-8	HO2-DITCH-03 (1.5_2.0)	Solid	07/23/20 14:40	07/25/20 08:00	
480-172892-9	HO2-DITCH-04 (0.0-0.5)	Solid	07/24/20 09:50	07/25/20 08:00	
480-172892-10	HO2-DITCH-04 (0.5-1.0)	Solid	07/24/20 10:00	07/25/20 08:00	
480-172892-11	HO2-DITCH-04 (1.0-1.5)	Solid	07/24/20 10:10	07/25/20 08:00	
480-172892-12	HO2-DITCH-04 (1.5-2.0)	Solid	07/24/20 10:20	07/25/20 08:00	
480-172892-13	HO2-DITCH-05 (0.0.-0.5)	Solid	07/24/20 10:30	07/25/20 08:00	
480-172892-14	HO2-DITCH-05 (0.5-1.0)	Solid	07/24/20 10:45	07/25/20 08:00	
480-172892-15	HO2-DITCH-05 (1.5-2.0)	Solid	07/24/20 11:10	07/25/20 08:00	
480-172892-16	HO2-DITCH-01 (2.0-2.5)	Solid	07/24/20 09:25	07/25/20 08:00	
480-172892-17	HO2-DITCH-01 (2.5-3.0)	Solid	07/24/20 09:40	07/25/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173096-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173096-1	H02-DITCH-02 (3.0-3.5)	Solid	07/27/20 13:20	07/30/20 08:00	
480-173096-2	H02-DITCH-02 (3.5-4.0)	Solid	07/27/20 13:30	07/30/20 08:00	
480-173096-3	H02-DITCH-03 (2.0-2.5)	Solid	07/24/20 14:15	07/30/20 08:00	
480-173096-4	H02-DITCH-04 (2.0-2.5)	Solid	07/27/20 09:15	07/30/20 08:00	
480-173096-5	H02-DITCH-05 (2.5-3.0)	Solid	07/27/20 09:45	07/30/20 08:00	
480-173096-6	H02-DITCH-05 (1.0-1.5)	Solid	07/24/20 10:55	07/30/20 08:00	
480-173096-7	H02-DITCH-05 (3.0-3.5)	Solid	07/28/20 12:10	07/30/20 08:00	
480-173096-8	H02-DITCH-06 (2.0-2.5)	Solid	07/27/20 14:00	07/30/20 08:00	
480-173096-9	H02-DITCH-06 (2.5-3.0)	Solid	07/27/20 14:10	07/30/20 08:00	
480-173096-11	H02-DITCH-06 (0.5-1.0)	Solid	07/24/20 14:35	07/30/20 08:00	
480-173096-12	H02-DITCH-06 (1.0-1.5)	Solid	07/24/20 14:40	07/30/20 08:00	
480-173096-13	H04-DITCH-03 (1.5-2.0)	Solid	07/28/20 14:05	07/30/20 08:00	
480-173096-14	H04-DITCH-03 (1.0-1.5)	Solid	07/28/20 14:00	07/30/20 08:00	
480-173096-15	H07-DITCH-01 (0.0-0.5)	Solid	07/27/20 11:15	07/30/20 08:00	
480-173096-16	H07-DITCH-01 (0.5-1.0)	Solid	07/27/20 11:25	07/30/20 08:00	
480-173096-17	H07-DITCH-02 (0.0-0.5)	Solid	07/28/20 10:20	07/30/20 08:00	
480-173096-18	H07-DITCH-02 (0.5-1.0)	Solid	07/28/20 10:30	07/30/20 08:00	
480-173096-19	FD-072420	Solid	07/24/20 00:00	07/30/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173287-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173287-1	H67-DITCH-03 (0.5 -1.0)	Solid	07/31/20 10:35	08/04/20 08:00	
480-173287-2	H67-DITCH-03 (0.0 - 0.5)	Solid	07/31/20 10:30	08/04/20 08:00	
480-173287-3	H06-DITCH-04 (0.0 - 0.5)	Solid	07/31/20 09:45	08/04/20 08:00	
480-173287-4	H06-DITCH-03 (0.0 - 0.5)	Solid	07/31/20 09:05	08/04/20 08:00	
480-173287-5	H06-DITCH-04 (0.5 - 1.0)	Solid	07/31/20 09:50	08/04/20 08:00	
480-173287-6	H06-DITCH-03 (0.5 - 1.0)	Solid	07/31/20 09:10	08/04/20 08:00	
480-173287-7	H06-DITCH-02 (0.0 - 0.5)	Solid	07/31/20 11:30	08/04/20 08:00	
480-173287-8	H06-DITCH-02 (0.5 - 1.0)	Solid	07/31/20 11:35	08/04/20 08:00	
480-173287-9	H05-DITCH-01 (1.5 - 2.0)	Solid	07/30/20 12:35	08/04/20 08:00	
480-173287-10	H04-DITCH-01 (2.5 - 3.0)	Solid	07/30/20 09:05	08/04/20 08:00	
480-173287-11	H05-DITCH-03 (1.5 - 2.0)	Solid	07/30/20 13:25	08/04/20 08:00	
480-173287-12	H03-DITCH-01 (1.0 - 1.5)	Solid	07/31/20 07:10	08/04/20 08:00	
480-173287-13	H03-DITCH-01 (1.5 - 2.0)	Solid	07/30/20 07:15	08/04/20 08:00	
480-173287-14	H04-DITCH-01 (2.0 - 2.5)	Solid	07/30/20 09:00	08/04/20 08:00	
480-173287-15	FD-073020	Solid	07/30/20 00:00	08/04/20 08:00	
480-173287-16	FD-073020 - 2	Solid	07/30/20 00:00	08/04/20 08:00	
480-173287-17	FD-073120 - 1	Solid	07/31/20 00:00	08/04/20 08:00	
480-173287-18	FD-080320 - 2	Solid	07/31/20 00:00	08/04/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173342-1	H04-DITCH-04 (2.5-3.0)	Solid	07/30/20 11:15	08/05/20 08:00	
480-173342-2	H06-DITCH-01 (0.5-1.0)	Solid	08/03/20 07:05	08/05/20 08:00	
480-173342-3	H05-DITCH-05 (1.5-2.0)	Solid	07/29/20 12:05	08/05/20 08:00	
480-173342-4	H04-DITCH-02 (3.0-3.5)	Solid	08/04/20 09:00	08/05/20 08:00	
480-173342-5	H03-DITCH-03 (1.0-1.5)	Solid	08/03/20 06:20	08/05/20 08:00	
480-173342-6	H04-DITCH-04 (3.0-3.5)	Solid	08/04/20 09:40	08/05/20 08:00	
480-173342-7	H03-DITCH-03 (1.5-2.0)	Solid	08/03/20 06:25	08/05/20 08:00	
480-173342-8	H05-DITCH-05 (1.0-1.5)	Solid	07/29/20 12:00	08/05/20 08:00	
480-173342-9	H05-DITCH-04 (2.5-3.0)	Solid	08/03/20 08:35	08/05/20 08:00	
480-173342-10	H06-DITCH-01 (0.0-0.5)	Solid	08/03/20 07:00	08/05/20 08:00	
480-173342-11	H04-DITCH-02 (3.5-4.0)	Solid	08/04/20 09:05	08/05/20 08:00	
480-173342-12	FD-080320-1	Solid	08/03/20 00:00	08/05/20 08:00	
480-173342-13	FD-080420-1	Solid	08/04/20 00:00	08/05/20 08:00	
480-173342-14	FD-080420-2	Solid	08/04/20 00:00	08/05/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173342-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173342-55	H05-DITCH-04 (2.0-2.5)	Solid	08/03/20 08:30	08/05/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173681-1	HO67-DITCH-01 (0.5-1.0)	Solid	08/10/20 08:50	08/12/20 08:00	
480-173681-2	HO67-DITCH-02 (0.5-1.0)	Solid	08/10/20 08:25	08/12/20 08:00	
480-173681-3	HO4-DITCH-02 (5.5-6.0)	Solid	08/10/20 10:35	08/12/20 08:00	
480-173681-4	HO5-DITCH-03 (3.5-4.0)	Solid	08/05/20 09:45	08/12/20 08:00	
480-173681-5	HO4-DITCH-05 (3.5-4.0)	Solid	08/04/20 10:45	08/12/20 08:00	
480-173681-6	HO7-DITCH-03 (0.5-1.0)	Solid	08/06/20 09:25	08/12/20 08:00	
480-173681-7	HO3-DITCH-02 (4.5-5.0)	Solid	08/05/20 12:00	08/12/20 08:00	
480-173681-8	FD-080620-1	Solid	08/06/20 00:00	08/12/20 08:00	
480-173681-9	HO7-DITCH-04 (1.0-1.5)	Solid	08/06/20 09:50	08/12/20 08:00	
480-173681-10	HO67-DITCH-04 (0.5-1.0)	Solid	08/07/20 08:20	08/12/20 08:00	
480-173681-11	FD-080720-1	Solid	08/07/20 00:00	08/12/20 08:00	
480-173681-12	HO67-DITCH-05 (0.0-0.5)	Solid	08/07/20 08:45	08/12/20 08:00	
480-173681-13	HO67-DITCH-06 (0.0-0.5)	Solid	08/07/20 09:40	08/12/20 08:00	
480-173681-14	HO67-DITCH-02 (0.0-0.5)	Solid	08/10/20 08:20	08/12/20 08:00	
480-173681-15	FD-081020-1	Solid	08/10/20 00:00	08/12/20 08:00	
480-173681-16	HO67-DITCH-07 (0.0-0.5)	Solid	08/07/20 10:10	08/12/20 08:00	
480-173681-17	HO4-DITCH-06 (3.5-4.0)	Solid	08/06/20 11:05	08/12/20 08:00	
480-173681-18	HO5-DITCH-01 (2.0-2.5)	Solid	08/11/20 11:30	08/12/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-173681-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-173681-19	HO67-DITCH-01 (0.0-0.5)	Solid	08/10/20 08:45	08/12/20 08:00	
480-173681-20	HO4-DITCH-02 (5.0-5.5)	Solid	08/10/20 10:30	08/12/20 08:00	
480-173681-21	HO5-DITCH-03 (3.0-3.5)	Solid	08/05/20 09:40	08/12/20 08:00	
480-173681-22	HO4-DITCH-05 (3.0-3.5)	Solid	08/04/20 10:40	08/12/20 08:00	
480-173681-23	HO7-DITCH-03 (0.0-0.5)	Solid	08/06/20 09:20	08/12/20 08:00	
480-173681-24	HO3-DITCH-02 (4.0-4.5)	Solid	08/05/20 11:55	08/12/20 08:00	
480-173681-25	HO7-DITCH-04 (0.5-1.0)	Solid	08/06/20 09:45	08/12/20 08:00	
480-173681-26	HO67-DITCH-04 (0.0-0.5)	Solid	08/07/20 08:15	08/12/20 08:00	
480-173681-27	HO4-DITCH-06 (3.0-3.5)	Solid	08/06/20 11:00	08/12/20 08:00	
480-173681-28	HO5-DITCH-01 (2.0-2.5)	Solid	08/11/20 11:30	08/12/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-174097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-174097-1	H05-DITCH-02 (4.5-5.0)	Solid	08/10/20 12:35	08/21/20 08:00	
480-174097-2	H05-DITCH-02 (5.0-5.5)	Solid	08/12/20 10:30	08/21/20 08:00	
480-174097-3	H067-DITCH-08 (0.0-0.5)	Solid	08/13/20 09:25	08/21/20 08:00	
480-174097-4	H04-DITCH-03 (2.0-2.5)	Solid	08/18/20 07:00	08/21/20 08:00	
480-174097-5	H04-DITCH-03 (2.5-3.0)	Solid	08/18/20 07:05	08/21/20 08:00	
480-174097-6	FD-081820-1	Solid	08/18/20 00:00	08/21/20 08:00	
480-174097-7	H02-DITCH-06 (0.5-1.0)-TCLP	Solid	08/12/20 11:00	08/21/20 08:00	
480-174097-8	H03-DITCH-03 (1.0-1.5)-TCLP	Solid	08/12/20 08:45	08/21/20 08:00	
480-174097-9	H04-DITCH-04 (0.5-1.0)-TCLP	Solid	08/12/20 10:50	08/21/20 08:00	
480-174097-10	H05-DITCH-02 (1.5-2.0)-TCLP	Solid	08/10/20 12:40	08/21/20 08:00	
480-174097-11	H05-DITCH-04 (0.0-0.5)-TCLP	Solid	08/10/20 14:05	08/21/20 08:00	
480-174097-12	H06-DITCH-04 (0.0-0.5)-TCLP	Solid	08/11/20 13:05	08/21/20 08:00	
480-174097-13	H07-DITCH-01 (0.0-0.5)-TCLP	Solid	08/11/20 13:25	08/21/20 08:00	
480-174097-14	H067-DITCH-03 (0.0-0.5)-TCLP	Solid	08/11/20 13:00	08/21/20 08:00	
480-174097-15	WC-081820-1	Solid	08/18/20 15:00	08/21/20 08:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175031-1
SDG: 480-175031-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175031-1	HO3-DITCH-03 (2.0-2.5)	Solid	09/11/20 13:40	09/12/20 08:00	
480-175031-2	HO3-DITCH-03 (2.5-3.0)	Solid	09/11/20 13:45	09/12/20 08:00	
480-175031-3	HO3-DITCH-03 (3.0-3.5)	Solid	09/11/20 13:50	09/12/20 08:00	
480-175031-4	HO3-DITCH-03 (3.5-4.0)	Solid	09/11/20 13:55	09/12/20 08:00	
480-175031-5	HO4-DITCH-01 (3.0-3.5)	Solid	09/11/20 14:30	09/12/20 08:00	
480-175031-6	HO4-DITCH-01 (3.5-4.0)	Solid	09/11/20 14:45	09/12/20 08:00	
480-175031-7	DUP-091120	Solid	09/11/20 00:00	09/12/20 08:00	

#sys_sample_code	cas_rn	chemical_name	result_value	result_unit	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	sample_delivery_group
HO2-DITCH-01 (0.0-0.5)-20200723	7440-43-9	CADMIUM	60.3	mg/kg	Yes	Y				Y	4801728211
HO2-DITCH-01 (0.5-1.0)-20200723	7440-43-9	CADMIUM	71.5	mg/kg	Yes	Y				Y	4801728211
HO2-DITCH-01 (1.0-1.5)-20200723	7440-43-9	CADMIUM	86.5	mg/kg	Yes	Y				Y	4801728211
HO2-DITCH-01 (1.5-2.0)-20200723	7440-43-9	CADMIUM	88.2	mg/kg	Yes	Y				Y	4801728211
4805425461A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801728211
4805425462A	7440-43-9	CADMIUM	95.72	mg/kg	Yes	Y				Y	4801728211
HO2-DITCH-01 (2.0-2.5)-20200724	7440-43-9	CADMIUM	61.0	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-01 (2.5-3.0)-20200724	7440-43-9	CADMIUM	231	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-02 (0.0-0.5)-20200723	7440-43-9	CADMIUM	23.1	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-02 (0.5-1.0)-20200723	7440-43-9	CADMIUM	12.7	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-02 (1.0-1.5)-20200723	7440-43-9	CADMIUM	16.2	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-02 (1.5-2.0)-20200723	7440-43-9	CADMIUM	160	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-03 (0.0-0.5)-20200723	7440-43-9	CADMIUM	52.3	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-03 (1.5_2.0)-20200723	7440-43-9	CADMIUM	52.0	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-03(0.5-1.0)-20200723	7440-43-9	CADMIUM	44.5	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-03(1.0-1.5)-20200723	7440-43-9	CADMIUM	64.1	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-04 (0.0-0.5)-20200724	7440-43-9	CADMIUM	123	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-04 (0.5-1.0)-20200724	7440-43-9	CADMIUM	77.1	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-04 (1.0-1.5)-20200724	7440-43-9	CADMIUM	124	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-04 (1.5-2.0)-20200724	7440-43-9	CADMIUM	60.3	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-05 (0.0.-0.5)-20200724	7440-43-9	CADMIUM	81.1	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-05 (0.5-1.0)-20200724	7440-43-9	CADMIUM	83.3	mg/kg	Yes	Y				Y	4801728921
HO2-DITCH-05 (1.5-2.0)-20200724	7440-43-9	CADMIUM	89.7	mg/kg	Yes	Y				Y	4801728921
4805433771A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801728921
4805433772A	7440-43-9	CADMIUM	100.9	mg/kg	Yes	Y				Y	4801728921
FD-072420-20200724	7440-43-9	CADMIUM	143	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-02 (3.0-3.5)-20200727	7440-43-9	CADMIUM	1260	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-02 (3.5-4.0)-20200727	7440-43-9	CADMIUM	1540	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-03 (2.0-2.5)-20200724	7440-43-9	CADMIUM	103	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-04 (2.0-2.5)-20200727	7440-43-9	CADMIUM	44.7	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-05 (1.0-1.5)-20200724	7440-43-9	CADMIUM	80.2	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-05 (2.5-3.0)-20200727	7440-43-9	CADMIUM	33.9	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-05 (3.0-3.5)-20200728	7440-43-9	CADMIUM	9.3	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (0.5-1.0)-20200724	7440-43-9	CADMIUM	166	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (1.0-1.5)-20200724	7440-43-9	CADMIUM	170	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (2.0-2.5)-20200727	7440-43-9	CADMIUM	141	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (2.5-3.0)-20200727	7440-43-9	CADMIUM	72.1	mg/kg	Yes	Y				Y	4801730961
H04-DITCH-03 (1.0-1.5)-20200728	7440-43-9	CADMIUM	52.3	mg/kg	Yes	Y				Y	4801730961
H04-DITCH-03 (1.5-2.0)-20200728	7440-43-9	CADMIUM	10.8	mg/kg	Yes	Y				Y	4801730961
H07-DITCH-01 (0.0-0.5)-20200727	7440-43-9	CADMIUM	61.6	mg/kg	Yes	Y				Y	4801730961
H07-DITCH-01 (0.5-1.0)-20200727	7440-43-9	CADMIUM	5.0	mg/kg	Yes	Y				Y	4801730961
H07-DITCH-02 (0.0-0.5)-20200728	7440-43-9	CADMIUM	11.3	mg/kg	Yes	Y				Y	4801730961
H07-DITCH-02 (0.5-1.0)-20200728	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801730961
4805446021A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801730961
4805446022A	7440-43-9	CADMIUM	98.85	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (0.5-1.0)-20200724MS	7440-43-9	CADMIUM	186.1	mg/kg	Yes	Y				Y	4801730961
H02-DITCH-06 (0.5-1.0)-20200724MSD	7440-43-9	CADMIUM	195.0	mg/kg	Yes	Y				Y	4801730961
FD-073020 - 2-20200730	7440-43-9	CADMIUM	30.4	mg/kg	Yes	Y				Y	4801732871
FD-073020-20200730	7440-43-9	CADMIUM	19.5	mg/kg	Yes	Y		J	J	Y	4801732871
FD-073120 - 1-20200731	7440-43-9	CADMIUM	20.5	mg/kg	Yes	Y				Y	4801732871
FD-080320 - 2-20200731	7440-43-9	CADMIUM	1.5	mg/kg	Yes	Y		J	J	Y	4801732871
H03-DITCH-01 (1.0 - 1.5)-20200731	7440-43-9	CADMIUM	39.6	mg/kg	Yes	Y	T	J	J	Y	4801732871
H03-DITCH-01 (1.5 - 2.0)-20200730	7440-43-9	CADMIUM	22.2	mg/kg	Yes	Y				Y	4801732871
H04-DITCH-01 (2.0 - 2.5)-20200730	7440-43-9	CADMIUM	57.5	mg/kg	Yes	Y		J	J	Y	4801732871
H04-DITCH-01 (2.5 - 3.0)-20200730	7440-43-9	CADMIUM	11.0	mg/kg	Yes	Y	T		T	Y	4801732871
H05-DITCH-01 (1.5 - 2.0)-20200730	7440-43-9	CADMIUM	59.7	mg/kg	Yes	Y	T	J	J	Y	4801732871
H05-DITCH-03 (1.5 - 2.0)-20200730	7440-43-9	CADMIUM	21.3	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-02 (0.0 - 0.5)-20200731	7440-43-9	CADMIUM	34.9	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-02 (0.5 - 1.0)-20200731	7440-43-9	CADMIUM	0.86	mg/kg	Yes	Y		J	J	Y	4801732871
H06-DITCH-03 (0.0 - 0.5)-20200731	7440-43-9	CADMIUM	46.1	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-03 (0.5 - 1.0)-20200731	7440-43-9	CADMIUM	5.7	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-04 (0.0 - 0.5)-20200731	7440-43-9	CADMIUM	53.4	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-04 (0.5 - 1.0)-20200731	7440-43-9	CADMIUM	2.3	mg/kg	Yes	Y				Y	4801732871
H67-DITCH-03 (0.0 - 0.5)-20200731	7440-43-9	CADMIUM	46.9	mg/kg	Yes	Y				Y	4801732871

#sys_sample_code	cas_rn	chemical_name	result_value	result_unit	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	sample_delivery_group
H67-DITCH-03 (0.5 -1.0)-20200731	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801732871
4805450031A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801732871
4805450032A	7440-43-9	CADMIUM	109.7	mg/kg	Yes	Y				Y	4801732871
H03-DITCH-01 (1.0 - 1.5)-20200731MS-2020	7440-43-9	CADMIUM	46.01	mg/kg	Yes	Y	T		T	Y	4801732871
H03-DITCH-01 (1.0 - 1.5)-20200731MSD-202	7440-43-9	CADMIUM	47.76	mg/kg	Yes	Y	T		T	Y	4801732871
H04-DITCH-01 (2.5 - 3.0)-20200730MS-2020	7440-43-9	CADMIUM	47.69	mg/kg	Yes	Y				Y	4801732871
H04-DITCH-01 (2.5 - 3.0)-20200730MSD-202	7440-43-9	CADMIUM	40.19	mg/kg	Yes	Y	T		T	Y	4801732871
H05-DITCH-01 (1.5 - 2.0)-20200730MS-2020	7440-43-9	CADMIUM	75.01	mg/kg	Yes	Y	T		T	Y	4801732871
H05-DITCH-01 (1.5 - 2.0)-20200730MSD-202	7440-43-9	CADMIUM	89.97	mg/kg	Yes	Y	T		T	Y	4801732871
H06-DITCH-02 (0.0 - 0.5)-20200731MS-2020	7440-43-9	CADMIUM	69.35	mg/kg	Yes	Y				Y	4801732871
H06-DITCH-02 (0.0 - 0.5)-20200731MSD-202	7440-43-9	CADMIUM	64.68	mg/kg	Yes	Y				Y	4801732871
FD-080320-1-20200803	7440-43-9	CADMIUM	0.79	mg/kg	Yes	Y		J	J	Y	4801733421
FD-080420-1-20200804	7440-43-9	CADMIUM	18.4	mg/kg	Yes	Y		J	J	Y	4801733421
FD-080420-2-20200804	7440-43-9	CADMIUM	104	mg/kg	Yes	Y				Y	4801733421
H03-DITCH-03 (1.0-1.5)-20200803	7440-43-9	CADMIUM	54.2	mg/kg	Yes	Y				Y	4801733421
H03-DITCH-03 (1.5-2.0)-20200803	7440-43-9	CADMIUM	17.8	mg/kg	Yes	Y		J	J	Y	4801733421
H04-DITCH-02 (3.0-3.5)-20200804	7440-43-9	CADMIUM	100	mg/kg	Yes	Y				Y	4801733421
H04-DITCH-02 (3.5-4.0)-20200804	7440-43-9	CADMIUM	325	mg/kg	Yes	Y				Y	4801733421
H04-DITCH-04 (2.5-3.0)-20200730	7440-43-9	CADMIUM	35.3	mg/kg	Yes	Y				Y	4801733421
H04-DITCH-04 (3.0-3.5)-20200804	7440-43-9	CADMIUM	0.73	mg/kg	Yes	Y		J	J	Y	4801733421
H05-DITCH-04 (2.5-3.0)-20200803	7440-43-9	CADMIUM	1810	mg/kg	Yes	Y				Y	4801733421
H05-DITCH-05 (1.0-1.5)-20200729	7440-43-9	CADMIUM	315	mg/kg	Yes	Y				Y	4801733421
H05-DITCH-05 (1.5-2.0)-20200729	7440-43-9	CADMIUM	237	mg/kg	Yes	Y				Y	4801733421
H06-DITCH-01 (0.0-0.5)-20200803	7440-43-9	CADMIUM	94.6	mg/kg	Yes	Y	T	J-	J-	Y	4801733421
H06-DITCH-01 (0.5-1.0)-20200803	7440-43-9	CADMIUM	3.8	mg/kg	Yes	Y				Y	4801733421
4805452551A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801733421
4805452552A	7440-43-9	CADMIUM	103.0	mg/kg	Yes	Y				Y	4801733421
H04-DITCH-02 (3.5-4.0)-20200804MS	7440-43-9	CADMIUM	412.9	mg/kg	Yes	Y				Y	4801733421
H04-DITCH-02 (3.5-4.0)-20200804MSD	7440-43-9	CADMIUM	373.1	mg/kg	Yes	Y				Y	4801733421
H06-DITCH-01 (0.0-0.5)-20200803MS	7440-43-9	CADMIUM	122.6	mg/kg	Yes	Y	T		T	Y	4801733421
H06-DITCH-01 (0.0-0.5)-20200803MSD	7440-43-9	CADMIUM	131.9	mg/kg	Yes	Y				Y	4801733421
H05-DITCH-04 (2.0-2.5)-20200803	7440-43-9	CADMIUM	179	mg/kg	Yes	Y				Y	4801733423
48054917415A	7440-43-9	CADMIUM	97.81	mg/kg	Yes	Y				Y	4801733423
4805491741A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801733423
4805491742A	7440-43-9	CADMIUM	100.4	mg/kg	Yes	Y				Y	4801733423
FD-080620-1-20200806	7440-43-9	CADMIUM	1.9	mg/kg	Yes	Y		J	J	Y	4801736811
FD-080720-1-20200807	7440-43-9	CADMIUM	0.30	mg/kg	Yes	Y		J	J	Y	4801736811
FD-081020-1-20200810	7440-43-9	CADMIUM	4.7	mg/kg	Yes	Y		J	J	Y	4801736811
HO3-DITCH-02 (4.5-5.0)-20200805	7440-43-9	CADMIUM	2.1	mg/kg	Yes	Y				Y	4801736811
HO4-DITCH-02 (5.5-6.0)-20200810	7440-43-9	CADMIUM	57.0	mg/kg	Yes	Y				Y	4801736811
HO4-DITCH-05 (3.5-4.0)-20200804	7440-43-9	CADMIUM	9.1	mg/kg	Yes	Y				Y	4801736811
HO4-DITCH-06 (3.5-4.0)-20200806	7440-43-9	CADMIUM	406	mg/kg	Yes	Y				Y	4801736811
HO5-DITCH-01 (2.0-2.5)-20200811	7440-43-9	CADMIUM	7.0	mg/kg	Yes	Y				Y	4801736811
HO5-DITCH-03 (3.5-4.0)-20200805	7440-43-9	CADMIUM	2.5	mg/kg	Yes	Y				Y	4801736811
HO67-DITCH-01 (0.5-1.0)-20200810	7440-43-9	CADMIUM	2.0	mg/kg	Yes	Y				Y	4801736811
HO67-DITCH-02 (0.0-0.5)-20200810	7440-43-9	CADMIUM	1.9	mg/kg	Yes	Y		J	J	Y	4801736811
HO67-DITCH-02 (0.5-1.0)-20200810	7440-43-9	CADMIUM	1.2	mg/kg	Yes	Y		J	J	Y	4801736811
HO67-DITCH-04 (0.5-1.0)-20200807	7440-43-9	CADMIUM	0.39	mg/kg	Yes	Y	T	J	J	Y	4801736811
HO67-DITCH-05 (0.0-0.5)-20200807	7440-43-9	CADMIUM	5.4	mg/kg	Yes	Y		J	J	Y	4801736811
HO67-DITCH-06 (0.0-0.5)-20200807	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801736811
HO67-DITCH-07 (0.0-0.5)-20200807	7440-43-9	CADMIUM	0.40	mg/kg	Yes	Y				Y	4801736811
HO7-DITCH-03 (0.5-1.0)-20200806	7440-43-9	CADMIUM	0.42	mg/kg	Yes	Y		J	J	Y	4801736811
HO7-DITCH-04 (1.0-1.5)-20200806	7440-43-9	CADMIUM	0.34	mg/kg	Yes	Y	T	J	J	Y	4801736811
4805450011A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801736811
4805450012A	7440-43-9	CADMIUM	112.2	mg/kg	Yes	Y				Y	4801736811
HO4-DITCH-05 (3.5-4.0)-20200804MS	7440-43-9	CADMIUM	41.36	mg/kg	Yes	Y				Y	4801736811
HO4-DITCH-05 (3.5-4.0)-20200804MSD	7440-43-9	CADMIUM	43.45	mg/kg	Yes	Y				Y	4801736811
HO67-DITCH-02 (0.5-1.0)-20200810MS	7440-43-9	CADMIUM	29.88	mg/kg	Yes	Y				Y	4801736811
HO67-DITCH-02 (0.5-1.0)-20200810MSD	7440-43-9	CADMIUM	30.58	mg/kg	Yes	Y				Y	4801736811
HO67-DITCH-04 (0.5-1.0)-20200807MS	7440-43-9	CADMIUM	29.36	mg/kg	Yes	Y	T		T	Y	4801736811
HO67-DITCH-04 (0.5-1.0)-20200807MSD	7440-43-9	CADMIUM	29.87	mg/kg	Yes	Y	T		T	Y	4801736811
HO7-DITCH-04 (1.0-1.5)-20200806MS	7440-43-9	CADMIUM	27.11	mg/kg	Yes	Y	T		T	Y	4801736811
HO7-DITCH-04 (1.0-1.5)-20200806MSD	7440-43-9	CADMIUM	26.71	mg/kg	Yes	Y	T		T	Y	4801736811

#sys_sample_code	cas_rn	chemical_name	result_value	result_unit	reportable_result	detect_flag	lab_qualifiers	validator_qualifiers	interpreted_qualifiers	validated_yn	sample_delivery_group
HO3-DITCH-02 (4.0-4.5)-20200805	7440-43-9	CADMIUM	24.1	mg/kg	Yes	Y				Y	4801736812
HO4-DITCH-02 (5.0-5.5)-20200810	7440-43-9	CADMIUM	165	mg/kg	Yes	Y				Y	4801736812
HO4-DITCH-05 (3.0-3.5)-20200804	7440-43-9	CADMIUM	1640	mg/kg	Yes	Y				Y	4801736812
HO4-DITCH-06 (3.0-3.5)-20200806	7440-43-9	CADMIUM	395	mg/kg	Yes	Y				Y	4801736812
HO5-DITCH-01 (2.0-2.5)-20200811	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801736812
HO5-DITCH-03 (3.0-3.5)-20200805	7440-43-9	CADMIUM	19.3	mg/kg	Yes	Y				Y	4801736812
HO67-DITCH-01 (0.0-0.5)-20200810	7440-43-9	CADMIUM	168	mg/kg	Yes	Y				Y	4801736812
HO67-DITCH-04 (0.0-0.5)-20200807	7440-43-9	CADMIUM	34.2	mg/kg	Yes	Y				Y	4801736812
HO7-DITCH-03 (0.0-0.5)-20200806	7440-43-9	CADMIUM	86.3	mg/kg	Yes	Y				Y	4801736812
HO7-DITCH-04 (0.5-1.0)-20200806	7440-43-9	CADMIUM	14.4	mg/kg	Yes	Y				Y	4801736812
4805452481A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801736812
4805452482A	7440-43-9	CADMIUM	110.8	mg/kg	Yes	Y				Y	4801736812
FD-081820-1	7440-43-9	Cadmium	19.7	mg/kg	Yes	Y	^			Y	480174097
H04-DITCH-03 (2.0-2.5)	7440-43-9	Cadmium	17.9	mg/kg	Yes	Y				Y	480174097
H04-DITCH-03 (2.5-3.0)	7440-43-9	Cadmium	8	mg/kg	Yes	Y				Y	480174097
H04-DITCH-03 (2.5-3.0)MS	7440-43-9	Cadmium			Yes	Y				Y	480174097
H04-DITCH-03 (2.5-3.0)MSD	7440-43-9	Cadmium			Yes	Y	^			Y	480174097
H05-DITCH-02 (4.5-5.0)	7440-43-9	Cadmium	18.4	mg/kg	Yes	Y				Y	480174097
H05-DITCH-02 (5.0-5.5)	7440-43-9	Cadmium	14.8	mg/kg	Yes	Y				Y	480174097
H067-DITCH-08 (0.0-0.5)	7440-43-9	Cadmium			Yes	N	U			Y	480174097
H067-DITCH-08 (0.0-0.5)MS	7440-43-9	Cadmium			Yes	Y				Y	480174097
H067-DITCH-08 (0.0-0.5)MSD	7440-43-9	Cadmium			Yes	Y				Y	480174097
DUP-091120-20200911	7440-43-9	CADMIUM	4.5	mg/kg	Yes	Y				Y	4801750311
HO3-DITCH-03 (2.0-2.5)-20200911	7440-43-9	CADMIUM	15.4	mg/kg	Yes	Y	T	J	J	Y	4801750311
HO3-DITCH-03 (2.5-3.0)-20200911	7440-43-9	CADMIUM	1.7	mg/kg	Yes	Y				Y	4801750311
HO3-DITCH-03 (3.0-3.5)-20200911	7440-43-9	CADMIUM	0.24	mg/kg	Yes	Y				Y	4801750311
HO3-DITCH-03 (3.5-4.0)-20200911	7440-43-9	CADMIUM	2.0	mg/kg	Yes	Y				Y	4801750311
HO4-DITCH-01 (3.0-3.5)-20200911	7440-43-9	CADMIUM	4.2	mg/kg	Yes	Y				Y	4801750311
HO4-DITCH-01 (3.5-4.0)-20200911	7440-43-9	CADMIUM	1.9	mg/kg	Yes	Y				Y	4801750311
4805495891A	7440-43-9	CADMIUM			Yes	N	U		U	Y	4801750311
4805495892A	7440-43-9	CADMIUM	106.2	mg/kg	Yes	Y				Y	4801750311
HO3-DITCH-03 (2.0-2.5)-20200911MS	7440-43-9	CADMIUM	77.58	mg/kg	Yes	Y	T		T	Y	4801750311
HO3-DITCH-03 (2.0-2.5)-20200911MSD	7440-43-9	CADMIUM	44.92	mg/kg	Yes	Y	T		T	Y	4801750311

ARCADIS Design & Consultancy for natural and built assets

Seneca Falls Site

DATA USABILITY SUMMARY REPORT

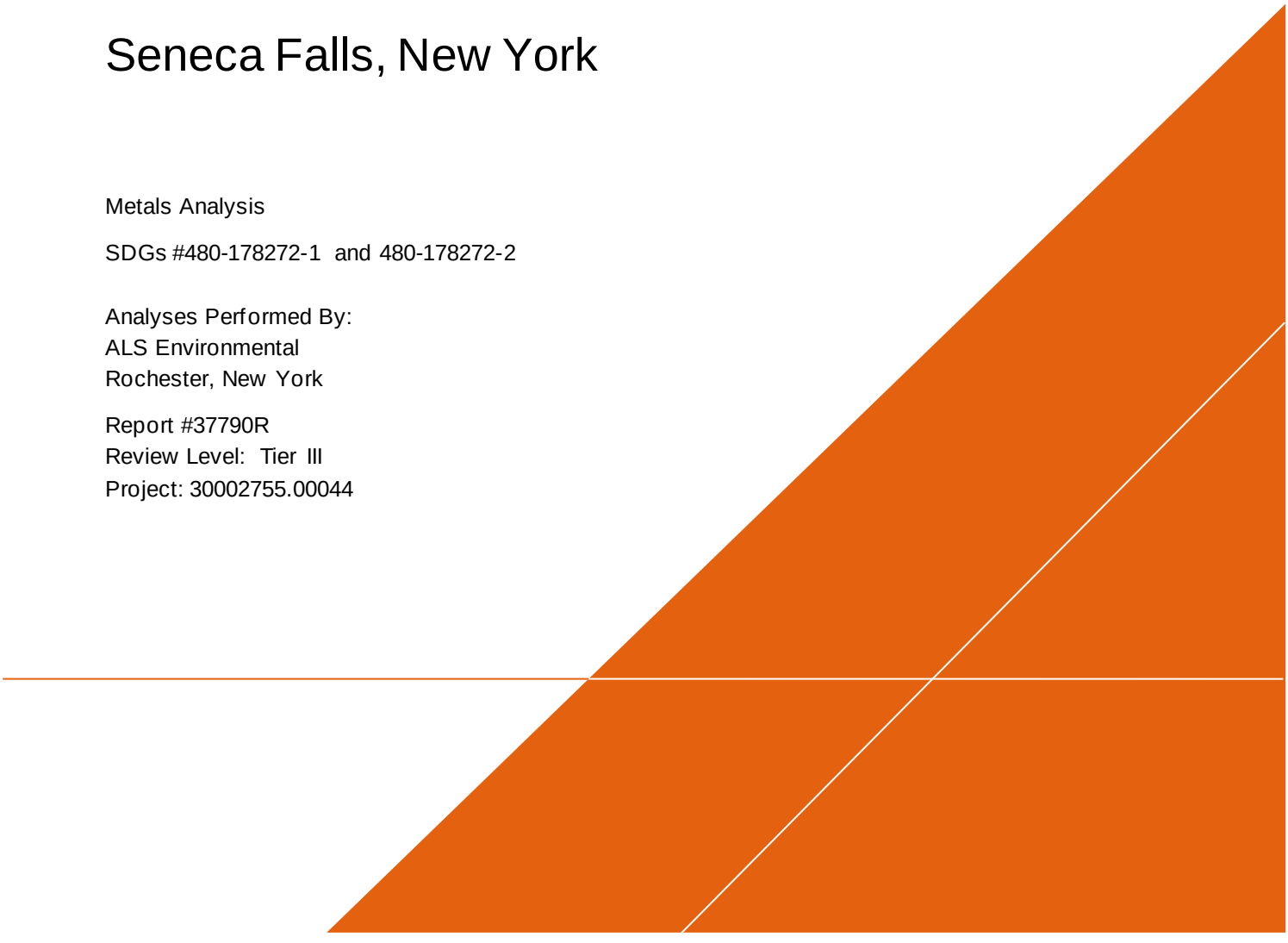
Seneca Falls, New York

Metals Analysis

SDGs #480-178272-1 and 480-178272-2

Analyses Performed By:
ALS Environmental
Rochester, New York

Report #37790R
Review Level: Tier III
Project: 30002755.00044



SUMMARY

This data usability summary report (DUSR) summarizes the review of Sample Delivery Groups (SDGs) # 480-178272-1 and 480-178272-2 for samples collected in association with the National Grid Saratoga Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

SDG	Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis
						MET
480-178272-1	H04-DITCH-04 (3.5-4.0)	480-178272-1	Water	11/16/2020		X
	DUP-01-20201116	480-178272-3	Water	11/16/2020	H04-DITCH-04 (3.5-4.0)	X
480-178272-2	H04-DITCH-04 (4.0-4.5)	480-178272-2	Water	11/16/2020		X

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

Note:
QA - Quality Assurance

INORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 6010C. Data were reviewed in accordance with USEPA National Functional Guidelines of October 2004 and applicable Region II SOPs. USEPA NFGs and Region II SOPs were followed for qualification purposes.

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

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

- Concentration (C) Qualifiers

  U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.

  J The reported value was obtained from a reading less than the reporting limit (RL), but greater than or equal to the method detection limit (MDL).

- Quantitation (Q) Qualifiers

  E The reported value is estimated due to the presence of interference.

  N Spiked sample recovery is not within control limits.

  * Duplicate analysis is not within control limits.

- Validation Qualifiers

  J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The analyte was not detected above the reporting limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.

  UB Analyte considered non-detect at the listed value due to associated blank contamination.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

METALS ANALYSES

1. Holding Times

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

Method	Matrix	Holding Time	Preservation
SW846 6010C	Water	180 days from collection to analysis	Preserved to a pH of less than 2.

All samples were analyzed within the specified holding times.

2. Blank Contamination

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

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

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

3. Calibration

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

3.1 Initial Calibration and Continuing Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial calibration verification standard recoveries were within control limits.

All initial and continuing calibration verification standard recoveries were within the control limit.

3.2 RL Check Standard

The RL check standard serves to verify the linearity of calibration of the analysis at the reporting limit. The RL standard is not required for the analysis of aluminum (Al), barium (Ba), calcium (Ca), iron (Fe), magnesium (Mg), sodium (Na), and potassium (K). The criteria used to evaluate the RL standard analysis are presented below in the RL standards evaluation table (if applicable).

All analytes associated with RL standard recoveries were within control limits.

3.3 ICP Interference Control Sample (ICS)

The ICS verifies the laboratories interelement and background correction factors.

All ICS exhibited recoveries within the control limits.

4. Matrix Spike (MS)/Matrix Spike Duplicate(MSD)/Laboratory Duplicate Analysis

MS/MSD and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 MS/MSD Analysis

All metal analytes must exhibit a percent recovery within the established acceptance limits of 75% to 125%. The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the analyte's concentration detected in the parent sample exceeds the MS concentration by a factor of four or greater. In instance where this is true, the data will not be qualified even if the percent recovery does not meet the control limits and the laboratory flag will be removed.

All analytes associated with MS/MSD recoveries were within control limits with the exception of the following analyte present in the table below.

Sample Location	Analyte	MS Recovery	MSD Recovery
H04-DITCH-04 (3.5-4.0)	Cadmium	70%	26%

The criteria used to evaluate MS/MSD recoveries are presented in the following table. In the case of an MS/MSD deviation, the sample results are qualified. The qualifications are applied to all sample results associated with SDG #480-178272-1.

Control limit	Sample Result	Qualification
MS/MSD percent recovery 30% to 74%	Non-detect	UJ
	Detect	J
MS/MSD percent recovery <30%	Non-detect	R
	Detect	J
MS/MSD percent recovery >125%	Non-detect	No Action
	Detect	J

4.2 Laboratory Duplicate Analysis

The laboratory duplicate relative percent difference (RPD) criterion is applied when parent and duplicate sample concentrations are greater than or equal to 5 times the RL. A control limit of 20% for water matrices and 35% for soil matrices is applied when the criteria above is true. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of one times the RL is applied for water matrices and two times the RL for soil matrices.

MS/MSD analysis was performed in replacement of the laboratory duplicate analysis. The MS/MSD recoveries exhibited acceptable RPD.

5. Field Duplicate Analysis

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

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
H04-DITCH-04 (3.5-4.0)/ DUP-01-20201116	Cadmium	60.1	42.3	34.8%

The calculated RPDs between the parent sample and field duplicate were acceptable.

6. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The analytes associated with the LCS analysis must exhibit a percent recovery between the control limits of 80% and 120%.

The LCS analysis exhibited recoveries within the control limits.

7. Serial Dilution

The serial dilution analysis is used to assess if a significant physical or chemical interference exists due to sample matrix. Analytes exhibiting concentrations greater than 50 times the MDL in the undiluted sample are evaluated to determine if matrix interference exists. These analytes are required to have less than a 10% difference (%D) between sample results from the undiluted (parent) sample and results associated with the same sample analyzed with a five-fold dilution.

The sample locations associated with the deviant %D are also presented in the following table.

Sample Locations	Analytes	Serial Dilution (%D)
H04-DITCH-04 (3.5-4.0)	Cadmium	21%

The criteria used to evaluate the serial dilution are presented in the following table. In the case of a serial dilution deviation, the sample results are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> 10%	Non-detect	UJ
	Detect	J

Note: The qualifications are applied to all sample results associated with SDG #480-178272-1

8. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR METAL

METALS: SW846 6010	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
Inductively Coupled Plasma-Atomic Emission Spectrometry (ICP-AES)					
Tier II Validation					
Holding Times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Instrument Blanks		X		X	
B. Method Blanks		X		X	
C. Equipment/Field Blanks	X				X
Laboratory Control Sample (LCS)		X		X	
Matrix Spike (MS) %R		X	X		
Matrix Spike Duplicate (MSD) %R		X	X		
MS/MSD Precision (RPD)		X		X	
Field/Lab Duplicate (RPD)		X		X	
ICP Serial Dilution %D		X	X		
Total vs. Dissolved	X				X
Tier III Validation					
Initial Calibration Verification		X		X	
Continuing Calibration Verification		X		X	
CRDL Standard Recovery		X		X	
ICP Interference Check		X		X	
ICP-MS Internal Standards					X
Transcription/calculations acceptable		X		X	
Raw Data		X		X	
Reporting limits adjusted to reflect sample dilutions		X		X	

Notes:
%R Percent recovery
RPD Relative percent difference

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/ PEST	MET	MISC	
480-178272-1	11/16/2020	USEPA/ SW846	H04-DITCH-04 (3.5-4.0)	Water	--	--	--	No	--	MET – MS/MSD %R, Serial Dilution
	11/16/2020	USEPA/ SW846	DUP-01-20201116	Water	--	--	--	No	--	MET – MS/MSD %R, Serial Dilution
480-178272-2	11/16/2020	USEPA/ SW846	H04-DITCH-04 (4.0-4.5)	Water	--	--	--	Yes	--	

Note:

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Andrew Korycinski

SIGNATURE:

DATE: December 9, 2020

PEER REVIEW: Todd Church

DATE: December 9, 2020

CHAIN OF CUSTODY

CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record 491654

eurofins | Environment Testing TestAmerica

Address: Test America Buffalo

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: Mark Flusche	Site Contact: Q Carnahan	Date: 11/16/2020	COC No: 1352798
Company Name: Arcadis	Tel/Email: mark.flusche@arcadis.com	Lab Contact:	Carrier: Fedex	1 of 1 COCs
Address: 855 Route 146 Suite 210	Analysis Turnaround Time			Sampler:
City/State/Zip: Clifton Park NY 12065	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 518-250-7300	TAT if different from Below			Walk-in Client:
Fax: 518-250-7301	☐ 2 weeks			Lab Sampling:
Project Name: Seneca Falls	☒ 1 week			
Site: Seneca Falls, NY	☐ 2 days			Job / SDG No.:
PO# 30002755	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	Cadmium 6010	Sample Specific Notes:
HO4-DITCH-04 (3.5-4.0)'	11/16/20	0915	C	Soil	1			X	
HO4-DITCH-04 (4.0-4.5)'	11/16/20	0930	C	Soil	1			X	ON HOLD
DUP-01-20201116	11/16/20	—	C	Soil	1			X	
HO4-DITCH-04 (3.5-4.0)'-MS/MSD	11/16/20	0915	C	Soil	2		X	X	

480-178272 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: 3.3 Corr'd: _____ | Therm ID No.: # IRCF

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Quinn Carnahan	Arcadis	11/16/2020 1400			
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
			Andrew Knolb	TA	11/17/20 1000

11/25/2020

Client Sample ID: H04-DITCH-04 (3.5-4.0)
Lab Sample ID: 480-178272-1

Date Collected: 11/16/20 09:15
Matrix: Solid
Date Received: 11/17/20 10:00
Percent Solids: 90.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	60.1	~~F1 F2~~ J	0.22		mg/Kg	☼	11/23/20 08:35	11/23/20 23:30	1

Client Sample ID: DUP-01-20201116
Lab Sample ID: 480-178272-3

Date Collected: 11/16/20 00:00
Matrix: Solid
Date Received: 11/17/20 10:00
Percent Solids: 91.4

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	42.3	J	0.22		mg/Kg	☼	11/23/20 08:35	11/23/20 23:50	1

Client: ARCADIS U.S. Inc
Project/Site: Seneca Falls

Job ID: 480-178272-2

Client Sample ID: H04-DITCH-04 (4.0-4.5)

Date Collected: 11/16/20 09:30
Date Received: 11/17/20 10:00

Lab Sample ID: 480-178272-2

Matrix: Solid
Percent Solids: 94.2

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	28.5		0.21		mg/Kg	☼	12/02/20 18:38	12/03/20 18:50	1

OU1 Data Usability Summary Reports

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

December 24, 2020; Revised October 28, 2021

Mark Flusche
ARCADIS US, Inc.
855 Route 146 Suite 210
Clifton Park, NY 12065

RE: GTEOSI Seneca Falls, NY Soil Samples
Validation of the Analytical Data Packages and Data Usability Summary Report (DUSR)
Eurofins TestAmerica SDG Nos. 480-175093-1, 480-175437-1, 480-175875-1, 480-175918-1, 480-177527-1, 480-177653-1, 480-177656-1, and 480-177887-1

Dear Mr. Flusche:

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to soil samples collected between 09/14/20 and 11/06/20. One hundred and forty soil samples, eight field duplicates, seven field blanks, and six trip blanks were processed for TCL volatile analytes by USEPA SW846 method 8260C. Matrix spikes/duplicates were also analyzed.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Calibration, and Preparation Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Initial and Continuing Calibration Standards
* Serial Dilution Evaluations
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the samples are usable either as reported or with qualification as estimated.

Data completeness, representativeness, reproducibility, and comparability are acceptable. Accuracy and precision evaluations show potential non-homogenous matrices.

Validation qualifier definitions and client sample identifications are attached to this text. Also included in this report are the EQuIS EDDs with recommended qualifiers applied in red.

Chain-of-Custody

The final laboratory receipt entries were not present on pages 2 and 3 of the custody forms pertaining to samples reported in SDG 480-177887-1. They are present on page 1.

DUP-05_20200930 was received by the laboratory, but not entered onto the custody form.

Blind Field Duplicate Evaluation

The blind field duplicate evaluations were performed on S-06(0.5), D-01(29.3), D-08(22), D-14(33), D-21(17.5), D-29(30.1), D-37(26.9), and D-38(28.5). There are significant variances in four of these, and the results for the noted analytes have been qualified as estimated in the indicated parent samples and their duplicates:

- Trichloroethene (non-detect at 5 ppb in parent vs. 640 ppb in field duplicate) in S-06(0.5)
- cis-1,2-Dichloroethene (1500 ppb in parent vs. 640 ppb in field duplicate) and trichloroethene (4800 ppb in parent vs. 1400 ppb in field duplicate) in D-08(22)
- Vinyl chloride (260,000 ppb in parent vs. 37,000 ppb in field duplicate) in D-14(33)
- Trichloroethene (1,300,000 ppb in parent vs. 220,000 ppb in field duplicate) in D-38(28.5)

This degree of variance indicates non-homogenous matrices. A conservative approach should be adopted where there the higher concentrations of each pair should be utilized for those locations. These variances should be considered in the evaluation of results of samples with similar matrices.

VOA Analyses by EPA 8260C

Matrix spikes (MSs) of S-06(0.5), D-09(16.5), D-13(20.5), D-16(23/5-24), and D-30(15.5) (low and medium level) show recoveries and correlations that are within validation guidelines, with the following exceptions, the results for which have been qualified as estimated in the indicated parent samples:

Parent Sample	Analyte	Outlying % Recoveries
S-06 (0.5)	1,1,2,2-tetrachloroethane	79,76
	1,2,4-trichlorobenzene	55,56
	methyl ethyl ketone (MEK)	66,62
D-30 (15.5) (low level)	1,2,4-trichlorobenzene	23,31
	1,2-dibromo-3-chloropropane	62,59
	1,2-dichlorobenzene	60,58
	1,3-dichlorobenzene	62,59
	1,4-dichlorobenzene	60,58
	cis-1,2-dichloroethene	156,262
	Ethylbenzene	74,78
	Styrene	70,71

Matrix spikes (MSs) of S-05(1.3), S-01(32.5), D-22(15.5), D-26(29.5), D-28(19.5), D-37(35.7), and D-38(31-31.5) are performed at dilution, and the evaluations are therefore not applicable.

Results for analytes initially reported with the "E" flag are derived from the dilution analyses of the samples when detected, thus reflecting responses within the linear range of the instrument. In several instances, the dilution analyses were performed at a level that prohibited detection of some analytes that exceeded the linear range during the initial analysis. In those instances, the initial analysis results for those compounds are used, but qualified as estimated.

The results Forms 1 and QC summary Forms 3 do not show correct concentration values for the matrix spikes (they report ND for values below the reporting limits). The recoveries, with rare exception, are correct.

Surrogate and internal standard responses are within required range, and holding times were met. Blanks show no contamination affecting sample reported results. LCS recoveries show compliant recoveries.

Calibration standards show acceptable responses with the following exceptions, the results for which have been qualified as estimated in the indicated associated samples:

- Vinyl chloride, 1,2-dibromo-3-chloropropane, and 1,2,4-trichlorobenzene (27%D to 41%D) in D-14 (1.7-2.2), D-14 (26.8), D-14 (33), D-14 (34.2), D-15 (32.2-32.4), D-15 (33.1), D-16 (23.5-24), D-16 (27.5), DUP-04_20200922, D-17 (23.5), D-17 (34.5), D-18 (14), and D-18 (12.1)
- Vinyl chloride (21%D) in D-22 (15.5), D-22 (16.5), D-25 (15.5), D-25 (17.5), S-15 (0.5-.07), S-16 (1.1-1.3), S-17 (0.6), S-17 (0.7-0.9), D-26 (23.5), D-26 (25.5), S-14 (0.4-0.6), D-26 (26.5), and D-26 (29.5)
- Methyl ethyl ketone (MEK) and methyl isobutyl ketone (MIBK) (22%D and 24%D) in samples D-38 (31-31.5), D-39 (29.6), D-39 (31.2), D-40 (21.5), D-40 (33.3), and D-38 (30.5)

Some of the samples were processed only at initial dilution due to high concentrations of target analytes. Reporting limits for undetected analytes in those samples are therefore proportionally elevated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Judy Harry

Attachments: Validation Qualifier Definitions
Client and Laboratory Identifications
Qualified EDDs

VALIDATION DATA QUALIFIER DEFINITIONS

U	The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
J-	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
J+	The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
UJ	The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
NJ	The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
EMPC	The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

Sample Summaries

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175093-1
SDG: 480-175093-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175093-1	S-01(1)	Solid	09/14/20 11:20	09/15/20 10:00	
480-175093-2	S-01(3.5)	Solid	09/14/20 11:20	09/15/20 10:00	
480-175093-3	S-02(0.5)	Solid	09/14/20 11:45	09/15/20 10:00	
480-175093-4	S-02(1)	Solid	09/14/20 11:45	09/15/20 10:00	
480-175093-5	S-03(0.5)	Solid	09/14/20 12:10	09/15/20 10:00	
480-175093-6	S-03(1)	Solid	09/14/20 12:10	09/15/20 10:00	
480-175093-7	S-04(0.4)	Solid	09/14/20 13:05	09/15/20 10:00	
480-175093-8	S-04(0.7)	Solid	09/14/20 13:05	09/15/20 10:00	
480-175093-9	S-05(1.3)	Solid	09/14/20 14:35	09/15/20 10:00	
480-175093-10	S-06(0.5)	Solid	09/14/20 13:40	09/15/20 10:00	
480-175093-11	S-06(1.3)	Solid	09/14/20 13:40	09/15/20 10:00	
480-175093-12	S-07(0.5)	Solid	09/14/20 13:55	09/15/20 10:00	
480-175093-13	S-07(1.5)	Solid	09/14/20 13:55	09/15/20 10:00	
480-175093-14	S-08(0.5)	Solid	09/14/20 14:20	09/15/20 10:00	
480-175093-15	S-08(1.3)	Solid	09/14/20 14:20	09/15/20 10:00	
480-175093-16	S-09(0.5)	Solid	09/14/20 15:05	09/15/20 10:00	
480-175093-17	S-09(1.3)	Solid	09/14/20 15:05	09/15/20 10:00	
480-175093-18	S-10(1)	Solid	09/14/20 15:30	09/15/20 10:00	
480-175093-19	S-10(4)	Solid	09/14/20 15:30	09/15/20 10:00	
480-175093-20	DUP-01_20200914	Solid	09/14/20 00:00	09/15/20 10:00	
480-175093-21	S-11(0.5)	Solid	09/14/20 15:50	09/15/20 10:00	
480-175093-22	S-11(1.3)	Solid	09/14/20 15:50	09/15/20 10:00	
480-175093-23	S-12(0.8)	Solid	09/14/20 16:05	09/15/20 10:00	
480-175093-24	S-12(1.6)	Solid	09/14/20 16:05	09/15/20 10:00	
480-175093-25	S-13(0.3)	Solid	09/14/20 16:20	09/15/20 10:00	
480-175093-26	S-13(0.9)	Solid	09/14/20 16:20	09/15/20 10:00	
480-175093-27	S-05(0.6)	Solid	09/14/20 14:35	09/15/20 10:00	
480-175162-2	D-01 (29.3)	Solid	09/15/20 11:10	09/16/20 10:30	
480-175162-3	D-01 (32.5)	Solid	09/15/20 11:25	09/16/20 10:30	
480-175162-4	D-02 (25)	Solid	09/15/20 13:55	09/16/20 10:30	
480-175162-5	D-02 (32)	Solid	09/15/20 14:20	09/16/20 10:30	
480-175162-6	D-02 (33)	Solid	09/15/20 14:25	09/16/20 10:30	
480-175162-7	DUP-02_20200915	Solid	09/15/20 00:00	09/16/20 10:30	
480-175245-1	D-03 (31.5)	Solid	09/16/20 10:20	09/17/20 10:00	
480-175245-2	D-03 (35)	Solid	09/16/20 10:35	09/17/20 10:00	
480-175245-3	D-04 (29.1)	Solid	09/16/20 13:05	09/17/20 10:00	
480-175245-4	D-04 (29.8)	Solid	09/16/20 13:25	09/17/20 10:00	
480-175245-5	D-04 (28.3)	Solid	09/16/20 13:30	09/17/20 10:00	
480-175245-6	D-04 (28.8)	Solid	09/16/20 13:20	09/17/20 10:00	
480-175245-7	D-01 (26)	Solid	09/15/20 11:00	09/17/20 10:00	
480-175335-1	D-05 (29.5)	Solid	09/17/20 09:45	09/18/20 13:44	
480-175335-2	D-05 (30.3)	Solid	09/17/20 09:50	09/18/20 13:44	
480-175335-3	D-05 (32.8)	Solid	09/17/20 10:05	09/18/20 13:44	
480-175335-4	D-06 (26.7)	Solid	09/17/20 11:45	09/18/20 13:44	
480-175335-5	D-06 (34.5)	Solid	09/17/20 12:10	09/18/20 13:44	
480-175335-6	D-06 (37.6)	Solid	09/17/20 12:20	09/18/20 13:44	
480-175335-7	D-07 (18.5)	Solid	09/17/20 14:00	09/18/20 13:44	
480-175391-1	D-08 (22)	Solid	09/18/20 09:35	09/21/20 12:00	
480-175391-2	D-09 (16.5)	Solid	09/18/20 11:40	09/21/20 12:00	
480-175391-3	D-10 (29.5)	Solid	09/18/20 14:45	09/21/20 12:00	
480-175391-4	DUP-03_20200918	Solid	09/18/20 00:00	09/21/20 12:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175437-1
SDG: 480-175437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175437-1	D-11 (30.5)	Solid	09/21/20 10:35	09/22/20 10:30	
480-175437-2	D-11 (33.5)	Solid	09/21/20 10:40	09/22/20 10:30	
480-175437-3	D-11 (34.5)	Solid	09/21/20 10:45	09/22/20 10:30	
480-175437-4	D-12 (26.5)	Solid	09/21/20 12:20	09/22/20 10:30	
480-175437-5	D-12 (29.5)	Solid	09/21/20 12:30	09/22/20 10:30	
480-175437-6	D-12 (32.7)	Solid	09/21/20 12:45	09/22/20 10:30	
480-175437-7	D-13 (20.5)	Solid	09/21/20 14:30	09/22/20 10:30	
480-175437-8	D-13 (24.5)	Solid	09/21/20 14:55	09/22/20 10:30	
480-175437-9	D-13 (32.4)	Solid	09/21/20 15:30	09/22/20 10:30	
480-175493-1	D-14 (1.7-2.2)	Solid	09/22/20 08:50	09/23/20 10:30	
480-175493-2	D-14 (26.8)	Solid	09/22/20 09:55	09/23/20 10:30	
480-175493-3	D-14 (33)	Solid	09/22/20 10:40	09/23/20 10:30	
480-175493-4	D-14 (34.2)	Solid	09/22/20 10:50	09/23/20 10:30	
480-175493-5	D-15 (32.2-32.4)	Solid	09/22/20 12:40	09/23/20 10:30	
480-175493-6	D-15 (33.1)	Solid	09/22/20 12:50	09/23/20 10:30	
480-175493-7	D-16 (4-4.5)	Solid	09/22/20 13:40	09/23/20 10:30	
480-175493-8	D-16 (23.5-24)	Solid	09/22/20 14:25	09/23/20 10:30	
480-175493-9	D-16 (27.5)	Solid	09/22/20 14:35	09/23/20 10:30	
480-175493-11	DUP-04_20200922	Solid	09/22/20 00:00	09/23/20 10:30	
480-175493-12	TRIP BLANK	Water	09/22/20 16:10	09/23/20 10:30	
480-175493-13	FB-01_20200922	Water	09/22/20 16:15	09/23/20 10:30	
480-175569-1	D-17 (23.5)	Solid	09/23/20 09:25	09/24/20 10:30	
480-175569-2	D-17 (34.5)	Solid	09/23/20 10:05	09/24/20 10:30	
480-175569-3	D-18 (14)	Solid	09/23/20 11:20	09/24/20 10:30	
480-175569-4	D-18 (12.1)	Solid	09/23/20 11:15	09/24/20 10:30	
480-175569-5	TRIP BLANK-20200923	Water	09/23/20 15:20	09/24/20 10:30	
480-175569-6	FB-02-20200923	Water	09/23/20 15:25	09/24/20 10:30	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175875-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175875-1	D-19 (22.8)	Solid	09/30/20 10:55	10/01/20 10:00	
480-175875-2	D-20 (14.6)	Solid	09/30/20 12:50	10/01/20 10:00	
480-175875-3	D-21 (12.5)	Solid	09/30/20 14:40	10/01/20 10:00	
480-175875-4	D-21 (12.9)	Solid	09/30/20 14:35	10/01/20 10:00	
480-175875-5	D-21 (2.25)	Solid	09/30/20 14:00	10/01/20 10:00	
480-175875-6	D-21 (17.5)	Solid	09/30/20 15:10	10/01/20 10:00	
480-175875-7	D-21 (28.5)	Solid	09/30/20 15:50	10/01/20 10:00	
480-175875-8	TRIP BLANK_20200930	Water	09/30/20 16:40	10/01/20 10:00	
480-175875-9	FB-03_20200930	Water	09/30/20 16:45	10/01/20 10:00	
480-175875-10	DUP-05-20200930	Solid	09/30/20 00:00	10/01/20 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-175918-1
SDG: 480-175918-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-175918-1	D-22 (15.5)	Solid	10/01/20 09:05	10/02/20 10:00	
480-175918-2	D-22 (16.5)	Solid	10/01/20 09:15	10/02/20 10:00	
480-175918-3	D-23 (14.5)	Solid	10/01/20 10:40	10/02/20 10:00	
480-175918-4	D-23 (21.5)	Solid	10/01/20 11:10	10/02/20 10:00	
480-175918-5	D-24 (30.3)	Solid	10/01/20 15:15	10/02/20 10:00	
480-175918-6	D-24 (31.5)	Solid	10/01/20 15:20	10/02/20 10:00	
480-175918-7	Trip Blank_20201001	Water	10/01/20 16:05	10/02/20 10:00	
480-175918-8	FB-04_20201001	Water	10/01/20 16:10	10/02/20 10:00	
480-175918-9	FB-05_20201001	Water	10/01/20 16:20	10/02/20 10:00	
480-175976-1	Trip Blank_20201002	Water	10/02/20 08:20	10/03/20 10:00	
480-175976-2	D-25 (15.5)	Solid	10/02/20 09:25	10/03/20 10:00	
480-175976-3	D-25 (17.5)	Solid	10/02/20 09:40	10/03/20 10:00	
480-175976-4	FB-06-20201002	Water	10/02/20 11:00	10/03/20 10:00	
480-175976-5	S-14 (0.6-0.8)	Solid	10/02/20 11:20	10/03/20 10:00	
480-175976-6	S-15 (0.5-.07)	Solid	10/02/20 11:35	10/03/20 10:00	
480-175976-7	S-16 (1.1-1.3)	Solid	10/02/20 12:05	10/03/20 10:00	
480-175976-8	S-17 (0.6)	Solid	10/02/20 12:20	10/03/20 10:00	
480-175976-9	S-17 (0.7-0.9)	Solid	10/02/20 12:25	10/03/20 10:00	
480-175976-10	D-26 (23.5)	Solid	10/02/20 13:35	10/03/20 10:00	
480-175976-11	D-26 (25.5)	Solid	10/02/20 13:50	10/03/20 10:00	
480-175976-12	S-14 (0.4-0.6)	Solid	10/02/20 11:15	10/03/20 10:00	
480-175976-13	D-26 (26.5)	Solid	10/02/20 13:55	10/03/20 10:00	
480-175976-14	D-26 (29.5)	Solid	10/02/20 14:15	10/03/20 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177527-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177527-1	D-27 (12.5)	Solid	11/02/20 11:25	11/03/20 10:00	
480-177527-2	D-27 (13.7)	Solid	11/02/20 11:30	11/03/20 10:00	
480-177527-3	D-27 (32.9)	Solid	11/02/20 12:25	11/03/20 10:00	
480-177527-4	D-27 (33.3)	Solid	11/02/20 12:30	11/03/20 10:00	
480-177527-5	D-28 (13.9)	Solid	11/02/20 13:45	11/03/20 10:00	
480-177527-6	D-28 (19.5)	Solid	11/02/20 14:00	11/03/20 10:00	
480-177527-7	D-28 (32.4)	Solid	11/02/20 14:45	11/03/20 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177653-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177653-1	D-29 (15.5)	Solid	11/03/20 08:50	11/04/20 10:00	
480-177653-2	D-29 (30.1)	Solid	11/03/20 09:30	11/04/20 10:00	
480-177653-3	D-30 (8.4)	Solid	11/03/20 11:05	11/04/20 10:00	
480-177653-4	D-30 (15.5)	Solid	11/03/20 11:15	11/04/20 10:00	
480-177653-5	D-30 (17.5)	Solid	11/03/20 11:35	11/04/20 10:00	
480-177653-6	D-31 (18.4)	Solid	11/03/20 13:50	11/04/20 10:00	
480-177653-7	FB-07_20201103	Water	11/03/20 15:40	11/04/20 10:00	
480-177653-8	TRIP BLANK _20201103	Water	11/03/20 15:45	11/04/20 10:00	
480-177653-9	DUP-05-20201103	Solid	11/03/20 00:00	11/04/20 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177656-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177656-1	D-32 (14.5)	Solid	11/04/20 08:50	11/05/20 10:00	
480-177656-2	D-32 (18.5)	Solid	11/04/20 09:05	11/05/20 10:00	
480-177656-3	D-33 (23.5)	Solid	11/04/20 11:30	11/05/20 10:00	
480-177656-4	D-33 (24.8)	Solid	11/04/20 11:40	11/05/20 10:00	
480-177656-5	D-34 (26)	Solid	11/04/20 13:55	11/05/20 10:00	
480-177656-6	D-34 (27)	Solid	11/04/20 14:00	11/05/20 10:00	
480-177656-7	D-34 (28.5)	Solid	11/04/20 14:10	11/05/20 10:00	
480-177656-8	D-34 (31.5)	Solid	11/04/20 14:15	11/05/20 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-177887-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-177887-1	D-35 (4.3) SLAG	Solid	11/05/20 09:00	11/07/20 10:00	
480-177887-2	D-35 (28.7)	Solid	11/05/20 09:30	11/07/20 10:00	
480-177887-3	D-35 (33)	Solid	11/05/20 10:00	11/07/20 10:00	
480-177887-4	D-36 (32.8)	Solid	11/05/20 11:50	11/07/20 10:00	
480-177887-5	D-37 (26.9)	Solid	11/05/20 13:25	11/07/20 10:00	
480-177887-6	D-37 (28.3)	Solid	11/05/20 13:45	11/07/20 10:00	
480-177887-7	D-37 (31.7)	Solid	11/05/20 11:35	11/07/20 10:00	
480-177887-8	D-37 (32.3)	Solid	11/05/20 14:20	11/07/20 10:00	
480-177887-9	D-37 (33.7)	Solid	11/05/20 14:25	11/07/20 10:00	
480-177887-10	DUP-06_20201105	Solid	11/05/20 00:00	11/07/20 10:00	
480-177887-11	D-38 (1.9-2.1)	Solid	11/06/20 08:30	11/07/20 10:00	
480-177887-12	D-38 (27.2)	Solid	11/06/20 09:35	11/07/20 10:00	
480-177887-13	D-38 (28.5)	Solid	11/06/20 09:05	11/07/20 10:00	
480-177887-14	D-38 (29)	Solid	11/06/20 09:10	11/07/20 10:00	
480-177887-15	D-38 (30)	Solid	11/06/20 09:15	11/07/20 10:00	
480-177887-16	D-38 (29.5)	Solid	11/06/20 09:15	11/07/20 10:00	
480-177887-17	D-38 (31-31.5)	Solid	11/06/20 09:30	11/07/20 10:00	
480-177887-18	D-38 (33.5)	Solid	11/06/20 10:10	11/07/20 10:00	
480-177887-19	DUP-07_20201106	Solid	11/06/20 00:00	11/07/20 10:00	
480-177887-20	D-39 (1.9-2.4)	Solid	11/06/20 12:30	11/07/20 10:00	
480-177887-21	D-39 (22)	Solid	11/06/20 11:20	11/07/20 10:00	
480-177887-22	D-39 (22.3)	Solid	11/06/20 11:30	11/07/20 10:00	
480-177887-23	D-39 (22.5)	Solid	11/06/20 11:35	11/07/20 10:00	
480-177887-24	D-39 (28.2)	Solid	11/06/20 12:05	11/07/20 10:00	
480-177887-25	D-39 (29.6)	Solid	11/06/20 12:10	11/07/20 10:00	
480-177887-26	D-39 (31.2)	Solid	11/06/20 12:15	11/07/20 10:00	
480-177887-27	D-40 (21.5)	Solid	11/06/20 13:35	11/07/20 10:00	
480-177887-28	D-40 (33.3)	Solid	11/06/20 14:00	11/07/20 10:00	
480-177887-29	D-38 (30.5)	Solid	11/06/20 09:25	11/07/20 10:00	

Data Validation Services

120 Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone (518) 251-4429
harry@frontiernet.net

August 22, 2021

Mark Flusche
ARCADIS US, Inc.
855 Route 146 Suite 210
Clifton Park, NY 12065

RE: GTEOSI Seneca Falls, NY Soil Samples
Validation of the Analytical Data Packages and Data Usability Summary Report (DUSR)
Eurofins TestAmerica SDG Nos. 480-186069-1, 480-186128-1, 480-186201-1, 480-186251-1, 480-186304-1, 480-186358-1, 480-186416-1, 480-186496-1, and 480-186546-1

Dear Mr. Flusche:

Review has been completed for the data packages generated by Eurofins TestAmerica that pertain to soil samples collected between 06/14/21 and 06/25/21 at the GTEOSI Seneca Falls, NY site. Ninety six field samples, six field duplicates, six equipment blanks, and four trip blanks were processed for TCL volatile analytes by USEPA SW846 method 8260C. Matrix spikes/duplicates were also analyzed.

The data packages submitted by the laboratory contain full deliverables for validation, and this usability report is generated from review of the QC summary form information, with full review of sample raw data and limited review of associated QC raw data. The reported QC summary forms and sample raw data have been reviewed for application of validation qualifiers, with guidance from the USEPA national and regional validation documents, and in consideration for the specific requirements of the analytical methodology. The following items were reviewed:

* Data Completeness
* Case Narrative
* Custody Documentation
* Holding Times
* Calibration, and Preparation Blanks
* Matrix Spike Recoveries/Duplicate Correlations
* Blind Field Duplicate Correlations
* Laboratory Control Sample (LCS)
* Initial and Continuing Calibration Standards
* Serial Dilution Evaluations
* Method Compliance
* Sample Result Verification

Those items listed above which show deficiencies are discussed within the text of this narrative. All of the other items were determined to be acceptable for the DUSR level review, as discussed in NYS DER-10 Appendix B Section 2.0 (c). Documentation of the outlying parameters cited in this report can be found in the laboratory data package.

In summary, results for the samples are usable as reported. Data completeness, accuracy, precision, representativeness, reproducibility, and comparability are acceptable. The matrix spike accuracy determinations are limited due to the elevated concentrations of target analytes in the parent samples.

Validation qualifier definitions and client sample identifications are attached to this text. Also included in this report are the EQuIS EDDs.

Chain-of-Custody

The final laboratory receipt entry was not present on the second of the custody form pertaining to samples reported in SDG 480-186546-1. They are present on the first page of the custody forms.

The receive date on the custody form for samples reported in SDG 480-186201-1 is incorrect. The actual receive date appears on the other pages in the data package.

Blind Field Duplicate Evaluation

The blind field duplicate evaluations were performed on D-41(23-23.8), D-45(21.5-22), D-75(26-27). D-77(31.2-31.8), D-52(28-28.4), and D-51(31.6-32). Correlations are within validation guidelines.

VOA Analyses by EPA 8260C

Matrix spikes were performed on D-48(29.5), D-59(21.7-22.5), D-45(24-24.9), D-75(31-31.8), D-63(17.2-17.5), D-66(12.8-13.2), D-71(10.9-11.5), D-52(24-25.5), and D-51(31.6-32). They were performed at dilution beyond the medium level that prohibited evaluation of recoveries. The precision of the detected analytes is acceptable.

The results Forms 1 and QC summary Forms 3 do not show correct concentration values for the matrix spikes (they report ND for values below the reporting limits). The recoveries, when reported, are correct.

Results for analytes initially reported with the "E" flag are derived from the dilution analyses of the samples, thus reflecting responses within the linear range of the instrument.

Surrogate and internal standard responses are within required range, and holding times were met. Blanks show no contamination affecting sample reported results. LCS recoveries show compliant recoveries.

Calibration standards show acceptable responses within validation action guidelines.

Many of the samples were processed only at initial dilution, including medium level, due to high concentrations of target analytes. Reporting limits for undetected analytes in those samples are therefore proportionally elevated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,

Judy Harry

Attachments: Client and Laboratory Identifications
Laboratory EDDs

Sample Summary Listings

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186029-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186029-1	D-55 (28.5-28.6)	Solid	06/14/21 14:20	06/15/21 10:00	
480-186029-2	D-55 (29)	Solid	06/14/21 12:55	06/15/21 10:00	
480-186029-3	D-55 (32.2)	Solid	06/14/21 14:00	06/15/21 10:00	
480-186029-4	D-55 (32.5)	Solid	06/14/21 13:20	06/15/21 10:00	
480-186029-5	D-55 (33)	Solid	06/14/21 13:25	06/15/21 10:00	
480-186029-6	D-48 (10)	Solid	06/14/21 14:00	06/15/21 10:00	
480-186029-7	D-48 (14.2)	Solid	06/14/21 14:30	06/15/21 10:00	
480-186029-8	D-48 (19)	Solid	06/14/21 14:40	06/15/21 10:00	
480-186029-9	D-48 (21.5)	Solid	06/14/21 14:55	06/15/21 10:00	
480-186029-10	D-48 (29.5)	Solid	06/14/21 15:40	06/15/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186128-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186128-1	D-41 (23-23.8)	Solid	06/15/21 09:30	06/16/21 10:00	
480-186128-2	D-41 (25)	Solid	06/15/21 09:45	06/16/21 10:00	
480-186128-3	D-41 (31)	Solid	06/15/21 10:20	06/16/21 10:00	
480-186128-4	D-41 (31.8)	Solid	06/15/21 10:25	06/16/21 10:00	
480-186128-5	D-42 (23.5)	Solid	06/15/21 11:50	06/16/21 10:00	
480-186128-6	D-42 (24.5)	Solid	06/15/21 12:00	06/16/21 10:00	
480-186128-7	D-42 (31.5)	Solid	06/15/21 12:20	06/16/21 10:00	
480-186128-8	D-47 (20.2)	Solid	06/15/21 14:20	06/16/21 10:00	
480-186128-9	D-47 (21.3)	Solid	06/15/21 14:25	06/16/21 10:00	
480-186128-10	D-47 (22)	Solid	06/15/21 14:30	06/16/21 10:00	
480-186128-11	DUP-01-20210615	Solid	06/15/21 00:00	06/16/21 10:00	
480-186128-12	D-47 (22.4)	Solid	06/15/21 14:35	06/16/21 10:00	
480-186128-13	D-47 (23.5)	Solid	06/15/21 14:40	06/16/21 10:00	
480-186128-14	D-47 (16-20)	Solid	06/15/21 15:20	06/16/21 10:00	
480-186128-15	EB-01-20210615	Water	06/15/21 17:10	06/16/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186201-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186201-1	D-47A (24.1-24.8)	Solid	06/16/21 10:30	06/17/21 09:30	
480-186201-2	D-47A (26.1-26.8)	Solid	06/16/21 10:35	06/17/21 09:30	
480-186201-3	D-47A (31.6-32)	Solid	06/16/21 13:50	06/17/21 09:30	
480-186201-4	D-47A (32.5)	Solid	06/16/21 13:55	06/17/21 09:30	
480-186201-5	D-59 (21.7-22.5)	Solid	06/16/21 12:50	06/17/21 09:30	
480-186201-6	D-59 (26.5)	Solid	06/16/21 13:05	06/17/21 09:30	
480-186201-7	D-59 (32-32.9)	Solid	06/16/21 15:00	06/17/21 09:30	
480-186201-8	D-44 (23.5)	Solid	06/16/21 15:25	06/17/21 09:30	
480-186201-9	D-44 (25.3)	Solid	06/16/21 16:00	06/17/21 09:30	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186251-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186251-1	D-44 (28-28.5)	Solid	06/17/21 10:00	06/18/21 10:00	
480-186251-2	D-44 (29-29.5)	Solid	06/17/21 10:05	06/18/21 10:00	
480-186251-3	D-44 (32.6-33)	Solid	06/17/21 11:30	06/18/21 10:00	
480-186251-4	D-62 (25.4-25.8)	Solid	06/17/21 11:10	06/18/21 10:00	
480-186251-5	D-62 (27.3-27.5)	Solid	06/17/21 11:20	06/18/21 10:00	
480-186251-6	D-62 (32-32.2)	Solid	06/17/21 13:15	06/18/21 10:00	
480-186251-7	D-62 (31.5)	Solid	06/17/21 11:30	06/18/21 10:00	
480-186251-8	D-46 (25.2-25.7)	Solid	06/17/21 13:40	06/18/21 10:00	
480-186251-9	D-46 (29)	Solid	06/17/21 14:10	06/18/21 10:00	
480-186251-10	D-46 (31.5-32)	Solid	06/17/21 15:10	06/18/21 10:00	
480-186251-11	EB-02-20210617	Water	06/17/21 16:00	06/18/21 10:00	
480-186251-12	TRIP BLANK_20210617	Water	06/08/21 00:00	06/18/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186304-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186304-1	D-45 (20.7-20.9)	Solid	06/18/21 08:40	06/19/21 10:00	
480-186304-2	D-45 (21.5-22)	Solid	06/18/21 08:45	06/19/21 10:00	
480-186304-3	D-45 (26)	Solid	06/18/21 09:00	06/19/21 10:00	
480-186304-4	D-45 (24-24.9)	Solid	06/18/21 10:45	06/19/21 10:00	
480-186304-5	D-72 (27-1)	Solid	06/18/21 11:40	06/19/21 10:00	
480-186304-6	D-72 (28.3-28.6)	Solid	06/18/21 12:00	06/19/21 10:00	
480-186304-7	D-72 (29.2-29.6)	Solid	06/18/21 12:10	06/19/21 10:00	
480-186304-8	D-72 (26.5-26.8)	Solid	06/18/21 14:20	06/19/21 10:00	
480-186304-9	D-73 (26.5)	Solid	06/18/21 14:20	06/19/21 10:00	
480-186304-10	DUP-02-20210618	Solid	06/18/21 00:00	06/19/21 10:00	
480-186304-11	D-73 (29.9-30.3)	Solid	06/18/21 14:45	06/19/21 10:00	
480-186304-12	D-73 (32-32.3)	Solid	06/18/21 15:05	06/19/21 10:00	
480-186304-13	D-45 (29-1-29.3)	Solid	06/18/21 12:20	06/19/21 10:00	
480-186304-14	D-45 (32-32.7)	Solid	06/18/21 12:25	06/19/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186358-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186358-1	D-74 (26)	Solid	06/21/21 09:35	06/22/21 10:30	
480-186358-2	D-74 (31.4-31.8)	Solid	06/21/21 10:00	06/22/21 10:30	
480-186358-3	D-75 (26-27)	Solid	06/21/21 13:10	06/22/21 10:30	
480-186358-4	D-75 (31-31.8)	Solid	06/21/21 14:50	06/22/21 10:30	
480-186358-5	D-49 (26-26.5)	Solid	06/21/21 14:20	06/22/21 10:30	
480-186358-6	D-49 (29.3-29.7)	Solid	06/21/21 14:55	06/22/21 10:30	
480-186358-7	EB-03-20210621	Water	06/21/21 15:30	06/22/21 10:30	
480-186358-8	TRIP BLANK-20210621	Water	06/21/21 00:00	06/22/21 10:30	
480-186358-9	DUP-03-20210621	Solid	06/21/21 00:00	06/22/21 10:30	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186416-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186416-1	D-54 (22-22.3)	Solid	06/22/21 10:20	06/23/21 10:00	
480-186416-2	D-54 (33.0-33.6)	Solid	06/22/21 09:55	06/23/21 10:00	
480-186416-3	D-76 (20.3-20.7)	Solid	06/22/21 11:25	06/23/21 10:00	
480-186416-4	D-76 (25.5-25.8)	Solid	06/22/21 13:40	06/23/21 10:00	
480-186416-5	D-76 (28.6-29.2)	Solid	06/22/21 11:55	06/23/21 10:00	
480-186416-6	D-63 (14.3-14.7)	Solid	06/22/21 13:40	06/23/21 10:00	
480-186416-7	D-63 (25.6-27.2)	Solid	06/22/21 14:45	06/23/21 10:00	
480-186416-8	D-63 (24.3-24.8)	Solid	06/22/21 16:30	06/23/21 10:00	
480-186416-9	D-63 (21.2-21.5)	Solid	06/22/21 16:00	06/23/21 10:00	
480-186416-10	D-63 (17.2-17.5)	Solid	06/22/21 15:55	06/23/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186496-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186496-1	D-64 (16.5-16.8)	Solid	06/23/21 10:50	06/24/21 10:00	
480-186496-2	D-64 (32-32.5)	Solid	06/23/21 10:35	06/24/21 10:00	
480-186496-3	D-65 (13.1-13.4)	Solid	06/23/21 12:45	06/24/21 10:00	
480-186496-4	D-65 (14.4-14.6)	Solid	06/23/21 11:35	06/24/21 10:00	
480-186496-5	D-65 (18.8-19.2)	Solid	06/23/21 13:10	06/24/21 10:00	
480-186496-6	D-65 (32-32.5)	Solid	06/23/21 12:30	06/24/21 10:00	
480-186496-7	D-65 (29.6-30)	Solid	06/23/21 14:25	06/24/21 10:00	
480-186496-8	D-66 (12.8-13.2)	Solid	06/23/21 16:00	06/24/21 10:00	

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: GTEOSI - Seneca Falls

Job ID: 480-186546-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186546-1	D-77 (31.2-31.8)	Solid	06/24/21 09:05	06/25/21 10:00	
480-186546-2	D-71 (8-8.5)	Solid	06/24/21 10:40	06/25/21 10:00	
480-186546-3	D-71 (10.3-10.7)	Solid	06/24/21 09:40	06/25/21 10:00	
480-186546-4	D-71 (10.9-11.5)	Solid	06/24/21 10:50	06/25/21 10:00	
480-186546-5	D-71 (26.3-27)	Solid	06/24/21 10:35	06/25/21 10:00	
480-186546-6	D-71 (30.1-3.07)	Solid	06/24/21 12:55	06/25/21 10:00	
480-186546-7	EB-04-20210624	Water	06/24/21 11:15	06/25/21 10:00	
480-186546-8	D-78 (2.8-3)	Solid	06/24/21 11:45	06/25/21 10:00	
480-186546-9	DUP-04-20210624	Solid	06/24/21 00:00	06/25/21 10:00	
480-186546-10	D-78 (27.4-27.8)	Solid	06/24/21 12:40	06/25/21 10:00	
480-186546-11	D-78 (31.3-31.8)	Solid	06/24/21 12:55	06/25/21 10:00	
480-186546-12	D-53 (31.7-32)	Solid	06/24/21 14:35	06/25/21 10:00	
480-186546-13	D-53 (28-28.3)	Solid	06/24/21 15:45	06/25/21 10:00	
480-186546-14	EB-05-20210624	Water	06/24/21 15:20	06/25/21 10:00	
480-186546-15	TRIP BLANK-20210624	Water	06/24/21 00:00	06/25/21 10:00	
480-186593-1	D-52 (24-25.5)	Solid	06/25/21 10:05	06/26/21 10:00	
480-186593-2	D-52 (28-28.4)	Solid	06/25/21 11:40	06/26/21 10:00	
480-186593-3	D-51 (20-20.7)	Solid	06/25/21 11:50	06/26/21 10:00	
480-186593-4	D-51 (31.6-32)	Solid	06/25/21 13:30	06/26/21 10:00	
480-186593-5	EB-06-20210625	Water	06/25/21 13:15	06/26/21 10:00	
480-186593-6	TRIP BLANK-20210625	Water	06/25/21 00:00	06/26/21 10:00	
480-186593-7	DUP-05-20210625	Solid	06/25/21 00:00	06/26/21 10:00	
480-186593-8	DUP-06-20210625	Solid	06/25/21 00:00	06/26/21 10:00	
480-186593-9	D-78 (2.8-3.1)	Solid	06/25/21 10:05	06/26/21 10:00	
480-186593-10	D-78 (1.9-2.2)	Solid	06/25/21 10:10	06/26/21 10:00	

Appendix D

Boring Logs

ARCADIS

SOIL BORING LOG

Boring No.: **D-01**

Project Name:	Seneca Falls PDI	Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	1.9/4	2.8	N	N	N @ 1.0'		(0'-0.2') Asphalt. (0.2'-0.8') Gray fine to coarse angular GRAVEL and fine to coarse SAND; dry, loose. [Road base]
2		11.3			N @ 1.8'		(0.8'-1.6') Black fine to medium SAND and SLAG; little Silt; little Organics; moist to wet, loose. [FILL] (1.6'-1.9') Light grayish purple Concrete-like material; dry, loose. [FILL]
3							
4	4/4	3.7	N	N			(4'-4.5') Dark olive gray grading to olive brown SILT; little Clay; trace Organics; moist, stiff to hard.
5		1.5					(4.5'-10') Brown SILT; little Clay; trace fine to coarse subround Gravel; trace very fine to fine Sand; moist to dry, very stiff. [TILL]
6							
7		1.9					
8		1.3					
9	3.3/4	3.7	N	N	N @ 9.0'		
10		4.4					

ARCADIS

SOIL BORING LOG

Boring No.: **D-01**

Project Name:	Seneca Falls PDI			Date Started:	15-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045			Date Completed:	15-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions: 45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.3/4 cont'd	5.8	N	N	N @ 10.5' - 11'		(10'-20') Brown SILT; little Clay; trace fine to coarse subround Gravel; trace very fine to fine Sand; moist to dry, very stiff. [TILL] Vertical seam of light gray medium to coarse SAND at 10' to 10.6' bgs.
11		3.7					
12	3.6/4	10.2	N	N	N @ 12.5'		
13							
14		9.3					
15		9.7			N @ 15'		
16	2.5/4	60.1	N	N	N @ 17'		Fractured COBBLE at 16.3' to 16.6' bgs.
17							Consistency changes to stiff at 17.5' bgs.
18		52			N @ 18'		
19							
20							

SOIL BORING LOG

Boring No.: **D-01**

Project Name:	Seneca Falls PDI			Date Started:	15-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045			Date Completed:	15-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions: 45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.7/4	10.1	N	N	N @ 21.5'		(20'-23') Brown SILT; little Clay; trace fine to coarse subround Gravel; trace very fine to fine Sand; moist to dry, stiff. [TILL]
21		51.8					
22							
23		257.4			N @ 23'		(23'-33.6') Reddish brown SILT; little Clay; trace fine to coarse subround Gravel; trace very fine to fine Sand; moist to dry, very stiff, slight solvent-like odor. [TILL]
24	2.2/4	236.1	N	N	N @ 25'		
25							
26		293.7			N @ 26'	D-01(26) @1100	
27							
28	2.3/4	171.1	N	N			
29		438.2			N @ 29.3'	D-01(29.3) @1110	
30							

SOIL BORING LOG

Boring No.: **D-01**

Project Name:	Seneca Falls PDI	Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.3/4 cont'd	150.7	N	N			(23'-33.6') Reddish brown SILT; little Clay; trace fine to coarse subround Gravel; trace very fine to fine Sand; moist to dry, very stiff, slight solvent-like odor. [TILL]
31							
32							
33	2.7/ 2.5	276.1 95.1 35.4	N	N	N @ 32.5' N @ 33.4'	D-01(32.5) @ 1125	(33.6'-33.7') Olive brown SILT and very fine SAND; moist to wet, stiff. (33.7'-33.9') Weathered Rock. (33.9'-34.3') Brown very fine SAND; little Silt; little fine to medium subround Gravel, wet, dense. (34.3'-34.5') Dark to light gray weathered Rock; dry, loose.
34							
35							Refusal at 34.5' bgs
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062533.68
	DUP-02_20200915 collected at D-01(29.3)	East Coor:	765486.85
	MS/MSD collected at D-01(32.5)		

SOIL BORING LOG

Boring No.: **D-02**

Project Name:	Seneca Falls PDI	Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2/4	7.3 6.5	N	N			(0-0.2') Asphalt. (0.2'-0.9') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-2') Black SLAG and ASH/SOOT; dry to wet; loose. [FILL] Wet from 1.5' to 2' bgs.
2							
3							
4	4/4	4.7 5.2	N	N			(4'-5.1') Reddish brown SILT and CLAY; moist, stiff; medium plasticity. (5.1'-12.6') Brown SILT; little very fine to fine Sand; little Clay; trace fine to medium subround Gravel; moist, very stiff with little vertical seams of light grey fine SAND. [TILL]
5							
6							
7		7.3					
8	3.7/4	4.4	N	N			With dark brown root traces throughout from 8' to 11.7' bgs.
9							
10							

SOIL BORING LOG

Boring No.: **D-02**

Project Name:	Seneca Falls PDI	Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.7/4 cont'd	9.2	N	N			(5.1'-12.6') Brown SILT; little very fine to fine Sand; little Clay; trace fine to medium subround Gravel; moist, very stiff with little vertical seams of light grey fine SAND with dark brown root traces throughout from 8' to 11.7' bgs. [TILL]
11							
12	2.7/4	6.3	N	N			(12.6'-14.7') Brown SILT; little very fine to fine Sand; little Clay; trace fine to medium subround Gravel; moist, very stiff. [TILL]
13							
14							
15		7.9					
16	0/4	NA	NA	NA			(16'-20') No Recovery - very soft drilling conditions. Very little resistance to drill rod.
17							
18							
19							
20							

SOIL BORING LOG

Boring No.: **D-02**

Project Name:	Seneca Falls PDI			Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20							(20'-20.4') Olive brown fine SAND; wet, very loose; grading to very fine to coarse SAND and fine to coarse angular to subround Gravel; little silt; wet, loose.
21		44.7					(20.4'-28.6') Brown SILT; little very fine to fine Sand; trace to little Clay; trace fine to coarse subround Gravel; moist, very stiff, moderate sweet odor. [TILL]
22	3.2/4	187	N	N			
23		583.1			N @ 22.7'		
24							Becomes reddish brown at 24' bgs.
25		983.7			N @ 25'	D-02(25) @1354	
26	0.7/4		N	N			
27							
28							Very soft drilling conditions and little resistance to drill rod resulted in very poor recovery from 28' to 32' bgs.
29	0.6/4	958.4	N	N	N @ 28.5'		
30							

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SOIL BORING LOG

Boring No.: **D-02**

Project Name:	Seneca Falls PDI	Date Started:	15-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	15-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	0.6/4 cont'd		N	N			Very soft drilling conditions and little resistance to drill rod resulted in very poor recovery from 28' to 32' bgs.
32		1389	N	N	N @ 32'	D-02(32) @ 1420	Becomes medium stiff at 32' bgs.
33		775.0			N @ 33'	D-02(33) @ 1425	(32.4'-33.8') Reddish brown very fine to fine SAND and SILT; little Clay; trace fine subangular to subround Gravel; moist, soft.
34		192.1 75.3					(33.8'-34.2') Gray to yellowish olive gray weathered Rock; moist to dry, loose.
35							Refusal at 34.2' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062553.65
		East Coor:	765485.42

SOIL BORING LOG

Boring No.: **D-03**

Project Name:	Seneca Falls PDI	Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.7/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-2.7') Brown SILT; some very fine Sand; little to some Slag and Ash; trace fine to coarse angular Gravel; trace Clay; moist, medium stiff. Black discoloration at 2' to 2.3' bgs. [FILL]
2							
3		2.2					
4	3.7/4	1.8	N	N			(4'-6.2') Olive brown SILT; little very fine Sand; little Clay; trace fine subround Gravel; moist, medium stiff to soft.
5							
6							(6.2'-6.8') Brown SILT; little very fine Sand; trace Clay; trace fine to medium subround Gravel; moist, stiff with trace light grey mottling. [TILL]
7		2.6					(6.8'-7.6') Dark olive brown very fine to medium SAND; some Silt; little fine to medium subround Gravel; trace Organics; wet, loose.
8		2.2					(7.6'-7.7') Brown SILT; little very fine Sand; trace Clay; trace fine to medium subround Gravel; moist, stiff. [TILL] Becomes olive brown and medium stiff at 8' bgs.
9	3/4	1.8	N	N			Layer of very fine SAND; wet at 8.5' to 8.6' bgs.
10		2.7					

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SOIL BORING LOG

Boring No.: **D-03**

Project Name:	Seneca Falls PDI	Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3/4 cont'd	3.3	N	N			(10'-10.7') Olive brown very fine Sand; trace fine to coarse subround Gravel; trace Silt; wet, soft.
11							(10.7'-18.1') Brown SILT; little very fine Sand; trace Clay; trace fine to medium subround Gravel; moist, stiff. [TILL]
12	1.3/4	87	N	N			1.5" dia. Cobble at 12'-12.2' bgs.
13		19.3					
14							
15							
16	3/4	14.5	N	N			
17		7.6					
18		20.1					(18.1'-18.5') Brown fine to coarse SAND; little fine subangular Gravel; wet, loose.
19		7.2					(18.5'-19') Brown very fine SAND; some Silt; little fine to coarse coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
20							

SOIL BORING LOG

Boring No.: **D-03**

Project Name:	Seneca Falls PDI			Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	55-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.8/4	7.8	N	N	N @ 23.5'		(20'-23.8') Olive brown SILT; little very fine Sand; little Clay; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL]
21		8.6					
22		6.3					
23		4.7					
24	3.9/4	5.1	N	N			Little to some Clay from 24' to 27.9' bgs.
25		7.7					
26		17.3					
27		23.5					
28	3.7/4	59.3	N	N			Trace Clay from 28' to 30.3' bgs 1" dia. pocket of black fine SAND at 28.2'-28.3' bgs.
29		35.1					
30							

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SOIL BORING LOG

Boring No.: **D-03**

Project Name:	Seneca Falls PDI	Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/4 cont'd	137.6	N	N			(30.3'-32.3') Light brown CLAY; trace Silt; moist, very soft, high plasticity.
31							
		324.2			N @ 31.5'	D-03(31.5) @1020	
32	2.7/ 3.5	70.6	N	N	N @ 32'		(32.3'-32.5') Yellowish brown very fine SAND and SILT; wet, medium dense, slow dilatancy. (32.5'-32.7') Light brown CLAY; trace Silt; moist, very soft, high plasticity. (32.7'-32.8') Yellowish brown very fine SAND and SILT; wet, medium dense, slow dilatancy. (32.8'-33') Light brown CLAY; trace Silt; moist, very soft, high plasticity. (33'-34.2') Yellowish and olive gray weathered Rock; moist, loose. (34.2'-34.3') Olive gray fine SAND; little Silt; moist, loose. (34.3'-35.5') Dark gray weathered Rock; moist, loose.
33					N @ 33'		
34		57.3					
35		309.7			N@ 35'	D-03(35) @ 1035	
36							Refusal at 35.5' bgs.
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062510.19
		East Coor:	765394.10

ARCADIS

SOIL BORING LOG

Boring No.: **D-04**

Project Name:	Seneca Falls PDI	Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	64° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1 2 3 4	2.9/4	4.1 4.7	N	N			(0'-0.3') Asphalt. (0.3'-0.6') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.6'-2.9') Brown very fine to fine SAND; some Slag and Ash; little Silt; trace fine to coarse angular Gravel; moist, medium dense to loose. [FILL]
5 6 7 8	3.1/4	5.0 6.2 7.6	N	N			(4'-4.7') Black SLAG and ASH; moist, loose. [FILL] (4.7'-7.1') Dark olive gray grading to dark olive brown SILT; little very fine Sand; little Clay; trace Organics; trace fine to medium subround Gravel; moist, stiff.
9 10	4/4	9.7	N	N			(8'-25.5') Brown very fine SAND and SILT; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL]

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SOIL BORING LOG

Boring No.: **D-04**

Project Name:	Seneca Falls PDI			Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	64° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 cont'd	10.9	N	N			(8'-25.5') Brown very fine SAND and SILT; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL] Trace Sand; wet, soft from 10' to 10.5' bgs.
11		17.3					
12	3.8/4	8.5	N	N			Very stiff and brittle from 12' to 15.8' bgs.
13		13.1					
14		25.2					
15							
16	3.6/4	12.5	N	N			
17		23.7					
18		33.7			N @ 19.5'		
19							
20							

SOIL BORING LOG

Boring No.: **D-04**

Project Name:	Seneca Falls PDI			Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	64° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20							(8'-25.5') Brown very fine SAND and SILT; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL]
		14.6					
21							
	3.8/4	21.9	N	N			
22							
23							
		55.9			N @ 23.5'		
24							Little Clay; stiff from 24' to 25.5' bgs.
		52.6					
25							
	3.8/4	90.1	N	N			(25.5'-28.9') Grayish brown SILT and CLAY; trace medium to coarse angular to subround Gravel; moist, medium stiff to soft.
26							
27							
		142.1					
28						D-04	
					N @ 28.3'	(28.3)@1330	
						D-04	
		15000+			P @ 28.8'	(28.8)@1320	(28.9'-29.4') Grayish brown SILT and CLAY; little fine Sand; trace fine rounded Gravel; moist, medium stiff to soft, moderate to strong solvent-like odor.
29	3.7/4	15000+	N	Y	P @ 29.1'	(29.1)@1305	
		15000+			P @ 29.5'	D-04	(29.4'-31.2') Grayish brown becoming reddish brown at 30.2' bgs. CLAY; trace Silt; moist, medium stiff.
30					N @ 29.8'	(29.8)@1325	

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SOIL BORING LOG

Boring No.: **D-04**

Project Name:	Seneca Falls PDI	Date Started:	16-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	16-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	64° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/4 cont'd	225	N	N	N @ 31.3		(29.4'-31.2') Grayish brown becoming reddish brown at 30.2' bgs. CLAY; trace Silt; moist, medium stiff.
31							(31.2'-32.1') Yellow brown fine SAND; little Silt, laminated with dark brown Silt; moist, medium stiff.
32	1.6/ 1.3	23 69.7	N	N			(32.1'-33') Yellowish gray weathered Rock; moist, loose. (33'-33.3') Yellowish olive brown weathered Rock.
33							Refusal at 33.3' bgs.
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062511.07
		East Coor:	765414.32

ARCADIS

SOIL BORING LOG

Boring No.: **D-05**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	1.9/4	0.0 6.1	N	N			(0'-0.3') Asphalt. (0.3'-0.7') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.7'-1.9') Dark brown and black very fine to medium SAND and SLAG/ASH; loose; moist. [FILL].
2							
3							
4							
4	3/4	2.0 1.0 1.7	N	N			Wet; trace Organics at 4' to 4.3' bgs. (4.3'-5') Black discolored SILT; some Clay; little very fine to fine Sand; trace Organics; soft; moist. (5'-6.3') Olive brown SILT; little Clay; little very fine Sand; trace fine to medium subround Gravel; moist, medium stiff, medium plasticity. [TILL] (6.3'-15.8') Brown SILT; little very fine to fine Sand; trace fine to coarse subround Gravel; trace Clay; dry to moist, very stiff. [TILL]
5							
6							
7							
8	3.8/4	2.1 3.5	N	N			Becomes reddish brown with some white mottling from 8' to 11.8' bgs.
9							
10							

SOIL BORING LOG

Boring No.: **D-05**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.8/4 (cont'd)	3.3	N	N			(6.3'-15.8') Brown SILT; little very fine to fine Sand; trace fine to coarse subround Gravel; trace Clay; dry to moist, very stiff. [TILL]
11		3.7					
12	3.8/4	3.6	N	N			
13		1.0					
14		2.1					Some very fine to fine Sand; medium stiff from 14.9' to 15.3' bgs.
15		3.4					
16	3.5/4	2.7	N	N			Becomes medium stiff at 16' bgs.
17		3.6					
18		6.7					
19		7.9					(18.8'-23.8') Grayish brown SILT; little very fine to fine Sand; trace fine to coarse subround Gravel; trace Clay; dry to moist, medium stiff. [TILL]
20							

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SOIL BORING LOG

Boring No.: **D-05**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.8/4	4.3	N	N			(18.8'-23.8') Grayish brown (brown from 20.3' to 20.9' bgs) SILT; little very fine to fine Sand; trace fine to coarse subround Gravel; trace Clay; dry to moist, medium stiff. [TILL] Two 1" dia. Cobbles at 20.8' to 20.9' bgs.
21		8.6					Wet at 21.9' bgs.
22		9.1					
23		10.2					
24	3.9/4	13.2	N	N			(24'-29.1') Grayish brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff. [TILL]
25		15.3					
26		16.9					
27		25.6					
28	3.8/4	20.4	N	N	N @ 28.5'		(29.1'-29.8') Grayish brown SILT and CLAY; moist, soft, medium to high plasticity.
29		21.6			N @ 29.5'	D-05(29.5) @ 0945	(29.8'-31.3') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
30							

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SOIL BORING LOG

Boring No.: **D-05**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	42.6	N	N	N @ 30.3'	D-05(30.3) @ 0950	(29.8'-31.3') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
31		19.5			N @ 31.6'		(31.3'-31.6') Yellowish brown to grayish brown SILT laminated with CLAY; moist, medium stiff. (31.6'-31.8') Yellowish brown very fine SAND and SILT; wet, medium stiff, slow dilatancy.
32	1/1	38.5 214.1	N	N	N @ 32.8'	D-05(32.8) @ 1005	(32'-32.8') Yellowish brown weathered Rock; moist, loose. (32.8'-33') Gray weathered Bedrock; dry, loose.
33							Refusal at 33'.
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062512.83
		East Coor:	765434.16

ARCADIS

SOIL BORING LOG

Boring No.: **D-06**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	61° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.2/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.7') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.7'-1.1') Black and brown SLAG; moist, loose. [FILL] (1.1'-1.3') Brown very fine SAND; some Silt; trace Clay; moist, stiff. [FILL] (1.3'-2.2') Black SLAG, SOOT and CINDERS; moist, loose. [FILL]
2		2.7					
3							
4							
5	3.8/4	0.0	N	N			(4'-4.5') Dark olive brown discolored black SILT; little Clay; trace very fine to fine Sand; moist, soft, low plasticity. (4.5'-5.8') Olive brown SILT and very fine SAND; trace Clay; trace fine to medium subround Gravel; moist, medium stiff.
6		0.0					(5.8'-18.5') Brown SILT and very fine SAND; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
7		0.0					
8		0.0					
9	3.9/4	0.0	N	N			
10		0.0					

ARCADIS

SOIL BORING LOG

Boring No.: **D-06**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	61° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.9/4 (cont'd)	1.3	N	N			(5.8'-18.5') Brown SILT and very fine SAND; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
11							
12	3.6/4	5.0	N	N			
13		7.1					
14							
15		10.2					
16		10.2					
17	2.9/4	11.0	N	N			Little Clay.
18		19.4					
19		12.5					(18.5'-25.7') Greyish brown SILT and very fine SAND; trace fine t subangular to subround Gravel; little Clay; moist, very stiff to stiff. [TILL].
20							

SOIL BORING LOG

Boring No.: **D-06**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	61° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.4/4	15.7 12.5 11.1 10.1	N	N			(18.5'-25.7') Greyish brown SILT and very fine SAND; trace fine t subangular to subround Gravel; little Clay; moist, very stiff to stiff. [TILL].
24	3.4/4	13.6 4.1 8.3 24.7	N	N	N @ 26.7'	D-06(26.7) @ 1145	(25.7'-26') Brown fine to coarse SAND and fine to coarse angular to subround GRAVEL; wet, very loose. (26'-26.7') Brown very fine to fine SAND; trace fine Gravel; trace Silt; wet, loose. (26.7'-26.8') Brown fine to coarse SAND and fine angular to subround GRAVEL; very loose; wet.
28	1.7/4	6.3	N	N			No recovery for 2.5 feet; assumed same SAND and GRAVEL unit as above. (28'-30.3') No recovery as stated above.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-06**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	61° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	1.7/4 (cont'd)	22.2	N	N	N @ 31'		(30.3'-30.6') Brown very fine to coarse SAND; little fine angular to subround Gravel; wet, loose. (30.6'-32') Grayish brown SILT; little Clay; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft. [TILL].
32	3.5/4	19.2 13.6 28.2 27.1	N	N	N @ 34.5'	D-06(34.5) @ 1210	(32'-32.9') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity. (32.9'-33.9') Yellowish olive brown SILT and very fine SAND laminated with gray Clay; wet, medium stiff. (33.9'-34.7') Gray weathered Rock; moist, loose. (34.7'-38.5') Dark brown SILT with weathered Rock; moist, medium dense.
36	1.9/ 2.8	19.5 41.8	N	N	N @ 37.6'	D-06(37.6) @ 1220	(36'-36.5') Weathered Rock. (36.5'-36.9') Weathered Rock with SILT. (36.9'-37.7') Olive brown weathered Rock. (37.7'-37.9') Gray weathered Rock.
38							Refusal at 38.8' bgs.
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062515.62
		East Coor:	765453.93

ARCADIS

SOIL BORING LOG

Boring No.: **D-07**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	63° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.1/4	0.0	N	N			(0'-0.4') Asphalt. (0.4'-1') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (1'-3.1') Black SLAG and SOOT; some Silt and Clay at 1.9'-2.2', 2.6'-2.7', and 2.9'-3.1' bgs; moist, loose. Silt and Clay is moist and soft. [FILL]
2		0.0					
3		0.0					
4		0.0					
5	4/4	0.2	N	N			(4'-19.5') Brown very fine SAND and SILT; little fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL].
6		0.9					
7		1.0					
8		1.6					
9	4/4	9.7	N	N			Decrease in Clay content from 8'-12' bgs.
10		6.7					

SOIL BORING LOG

Boring No.: **D-07**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	63° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	8.4	N	N			(4'-19.5') Brown very fine SAND and SILT; little fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL].
11							
12		9.2					
13	3.7/4	12.8	N	N			Becomes stiff at 12' bgs.
14		14.1			N @ 14.5'		
15		23.1					
16		10.8					
17	3.9/4	21.0	N	N			Little Clay, very stiff starting at 16' bgs.
18		29.2					
19		33.1			N @ 18.5'	D-07(18.5) @ 1400	
20		19.3					(19.5'-28.2') Grayish brown very fine SAND and SILT; little fine to coarse subangular to subround Gravel; little Clay; moist, very stiff. [TILL].

SOIL BORING LOG

Boring No.: **D-07**

Project Name:	Seneca Falls PDI			Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	63° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.9/4	28.8	N	N	N @ 23.5'		(19.5'-28.2') Grayish brown very fine SAND and SILT; little fine to coarse subangular to subround Gravel; little Clay; moist, very stiff. [TILL].
21		15.3					
22							
23		17.3					
24		28.9					
25	3.7/4	23.3	N	N			Becomes medium stiff at 24' bgs.
26		20.9					
27		11.3					
28		8.3					
29	3.9/4	6.9	N	N			(28.2'-29.6') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
30		1.5					(29.6'-31.7') Grayish brown CLAY and SILT; trace very fine to fine Sand; trace fine to medium subround to subangular Gravel; moist, stiff, medium plasticity.

ARCADIS

SOIL BORING LOG

Boring No.: **D-07**

Project Name:	Seneca Falls PDI	Date Started:	17-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	17-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	63° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.9/4 (cont'd)	1.8	N	N			(29.6'-31.7') Grayish brown CLAY and SILT; trace very fine to fine Sand; trace fine to medium subround to subangular Gravel; moist, stiff, medium plasticity.
31		0.0					(31.7'-31.9') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
32	1.4/ 1.7	0.7	N	N			(32'-32.5') Yellowish brown SILT; some Clay; trace very fine Sand; moist to wet, medium stiff.
33		1.0					(32.5'-33.7') Layers of dark olive gray, olive yellow and olive brown weathered Rock.
34							Refusal at 33.7' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062517.94
		East Coor:	765473.42

ARCADIS

SOIL BORING LOG

Boring No.: **D-08**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.4/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.8') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-1.8') Reddish brown SILT; little very fine to fine Sand; trace Clay; trace fine to medium Gravel; moist, stiff. [FILL]
2							(1.8'-2.0') Black SLAG. [FILL] (2.0'-2.4') Reddish brown SILT; little very fine to fine Sand; trace Clay; trace fine to medium Gravel; moist, stiff. [FILL]
3		0.0					(2.4'-2.7') Black SLAG. [FILL] (2.7'-3.4') Dark olive brown SILT; trace very fine to fine Sand; trace Clay; moist, stiff.
4		0.0					
5	3.4/4	0.0	N	N			(4'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subround Gravel; trace Clay; moist, very stiff to stiff. [TILL]
6		3.1					
7		5.7					
8		4.7					
9	3.8/4	9.2	N	N			Becomes very stiff from 8'-15' bgs.
10		8.0					

ARCADIS

SOIL BORING LOG

Boring No.: **D-08**

Project Name:	Seneca Falls PDI			Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	55° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.8/4 (cont'd)	10.3	N	N			(4'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subround Gravel; trace Clay; moist, very stiff to stiff. [TILL]
11							
		6.9					
12	3.9/4	20.4	N	N			
13							
		17.4					
14							
		14.1					
15							
		16.6					
16	3.5/4	28.4	N	N			Fractured Cobble at 17.2'-17.4'. Becomes very stiff at 17.4' bgs.
17							
		33.2					
18							
		21.6					
19							
		18.3					
20							

SOIL BORING LOG

Boring No.: **D-08**

Project Name:	Seneca Falls PDI			Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	55° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	4/4	41.3 34.8 43.8 32.9	N	N	N @ 22'	D-08(22) @ 0935	(4'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL] (20.4'-21.6') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL]
21							
22							
23							(22.6'-23.2') Grayish brown "TILL" material (as above) interbedded with layers of very fine to fine SAND; wet. (23.2'-24') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subround Gravel; trace Clay; moist, very stiff. [TILL]
24	3.8/4	8.7 4.0 4.0 3.5	N	N			28'-28.6'.
25							
26							
27							
28	2.5/4	0.0 0.0	N	N			Little Clay. (28.6'-28.9') Gray fractured Cobble; dry, loose. (28.9'-30') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
29							
30							

SOIL BORING LOG

Boring No.: **D-08**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.5/4 (cont'd)	0.0	N	N			(30'-30.5') Light grayish brown SILT and CLAY; trace fine Sand; trace fine to medium subangular to subround Gravel; very soft; moist.
31							
32	2.0/ 1.8	4.1	N	N			Little Clay; wet, slow dilatancy from 32' to 33.1' bgs.
33		14.2					(33.1'-33.7') Yellowish brown SILT; trace to little Clay; moist to wet, soft. (33.7'-33.8') Dark gray weathered Rock and yellowish brown SILT and CLAY; moist, loose.
34							Refusal at 33.8' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062522.65
	DUP-03_20200918 collected at D-08(22)	East Coor:	765492.75

ARCADIS

SOIL BORING LOG

Boring No.: **D-09**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.8/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.6') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.6'-1.7') Black SLAG and ASH; moist, loose; Concrete debris at 0.9'-1.2'; Wood cinder at 1.6'-1.7'. [FILL] (1.7'-2.2') Black discolored SILT; little Clay; trace very fine Sand; trace very fine to medium angular Gravel; moist, stiff. (2.2'-5.1') Brown and yellowish brown discolored SILT; little Clay; trace very fine Sand; trace very fine to medium angular Gravel; moist, stiff. [TILL]
2		0.9					
3		0.0					
4							
5	3.8/4	0.0	N	N			(5.1'-16') Olive brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist to dry, very stiff, brittle. [TILL] Becomes brown at 6' bgs.
6		0.0					
7		3.7					
8		11.5					
9	4/4	21.5	N	N			Vertical fracture lined with light gray very fine Sand and Silt at 9.1' to 9.6' bgs.
10		14.1					

ARCADIS

SOIL BORING LOG

Boring No.: **D-09**

Project Name:	Seneca Falls PDI	Date Started: 18-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	29.8	N	N			(5.1'-16') Brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist to dry, very stiff, brittle. [TILL]
11							
12		33.8					
13	3.1/4	38.9	N	N			Becomes stiff, not brittle at 12' bgs. Trace to little fine Sand; wet from 12.7' to 12.8' bgs.
14		20.8					
15		47.8					
16	3.9/4	86.1	N	N	N @ 16.5'	D-09(16.5) @ 1140	(16'-19.9') Grayish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff. [TILL]. Moisture content increased slightly at color change to grayish brown.
17		84.1					
18		80.2					
19		56.3					
20							

SOIL BORING LOG

Boring No.: **D-09**

Project Name:	Seneca Falls PDI			Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	4/4	15.1 3.2 0.2 0.0	N	N			(16'-19.9') Grayish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
24	3.9/4	0.0 0.0 0.0 0.0	N	N			Little Clay; medium stiff to soft at 24' bgs.
28	3.6/4	0.0 0.0	N	N			(28'-30.3') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to medium subangular to subround Gravel; moist, very soft, medium plasticity.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-09**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.6/4 (cont'd)	0.0 0.0	N	N			(30.3'-30.8') Grayish brown very fine to fine SAND; little Silt; trace fine to medium subround Gravel; very soft; moist. (30.8'-34') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to medium subangular to subround Gravel; moist, very soft, medium plasticity.
31							
32	2.9/ 2.4	0.0 0.0 1.0	N	N			(34'-34.6') Yellowish brown and grayish brown very fine SAND; little Silt; wet, medium stiff, rapid dilatancy. (34.6'-34.8') Yellowish to olive brown SILT; laminated with seams of Clay; moist, stiff. (34.8'-34.9') Yellowish olive gray weathered Rock; moist, loose. Refusal at 34.4' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062529.12
	MS/MSD collected at D-09(16.5)	East Coor:	765511.76

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SOIL BORING LOG

Boring No.: **D-10**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1 2 3 4	0.9/4	0.0 0.0	N	N			(0'-0.3') Gray coarse angular Gravel; dry, loose. (0.3'-0.9') Dark olive brown SILT and very fine SAND; trace Clay; moist, very stiff. Cobble stuck in sample shoe.
5 6 7 8	3.9/4	0.0 0.0 0.0 1.1	N	N			(4'-4.5') Black and yellowish brown SLAG; moist, loose. [FILL] (4.5'-5.5') Dark olive brown SILT and CLAY; trace very fine to fine Sand; trace fine subangular Gravel; moist, stiff; medium plasticity. (5.5'-7.9') Olive and yellowish brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
9 10	4/4	1.4 2.4	N	N			(8'-18.8') Brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff, brittle. [TILL]

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SOIL BORING LOG

Boring No.: **D-10**

Project Name:	Seneca Falls PDI			Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	2.4	N	N			(8'-18.8') Brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff, brittle. [TILL]
11		2.5					
12		3.6					
13		1.7					
14		2.5					
15		2.9					
16	3.9/4	4.1	N	N			1" seam of coarse SAND and fine GRAVEL; wet, loose at 17.2' bgs.
17		6.2					
18		6.7					(18.8'-23.9') Grayish brown very fine SAND and SILT; trace subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
19		10.5					
20							

SOIL BORING LOG

Boring No.: **D-10**

Project Name:	Seneca Falls PDI	Date Started: 18-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.9/4	7.4	N	N			
21		4.0					
22							
23		3.1					
		9.1					1/8" seam of very fine SAND; wet, loose at 23.4' bgs.
24	3.7/4	11.6	N	N			(24'-25.9') Grayish brown SILT; little Clay; trace very fine Sand; trace fine to medium subangular Gravel; moist, medium stiff. [TILL]
25		10.6					
26							(25.9'-27.7') Grayish brown CLAY; little Silt; trace fine to medium subangular Gravel; moist, soft, high plasticity.
		17.6					
27							
		25.1					
28	3.9/4	38.1	N	N			(28'-29.2') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to medium subangular Gravel; moist, soft, medium plasticity. [TILL]
29							(29.2'-31.3') Reddish brown grading to brownish gray CLAY; trace Silt; moist, very soft, high plasticity.
		61.4			N @ 29.5'	D-10(29.5) @ 1445	
30							

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SOIL BORING LOG

Boring No.: **D-10**

Project Name:	Seneca Falls PDI	Date Started:	18-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; sun/wind

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.9/4 (cont'd)	35.9 43.3 33.6	N	N			(29.2'-31.3') Reddish brown grading to brownish gray CLAY; trace Silt; moist, very soft, high plasticity. (31.3'-31.8) Olive brown to yellowish brown SILT; little very fine Sand; laminated with Clay; wet to moist, stiff. (31.8'-31.9') Weathered Rock.
31							
32							Refusal at 32' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062491.00
		East Coor:	765415.11

ARCADIS

SOIL BORING LOG

Boring No.: **D-11**

Project Name:	Seneca Falls PDI	Date Started: 21-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.3/4	0.0 1.3	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Brown SILT and very fine SAND; trace fine Sand; trace Clay; moist, stiff. (0.9'-2') Gray medium to coarse angular GRAVEL; dry, loose. [FILL] Little black Silt/Slag at 1.6'-2'. (2'-2.3') Olive brown very fine to fine SAND; little Silt; trace fine to coarse angular Gravel; wet, soft. [FILL]
2							
3							
4	2.1/4	0.0 0.0 0.0	N	N			(4'-4.9') Dark brown fine to coarse SAND and fine to coarse angular to subangular GRAVEL; moist, loose. [FILL] Wet at 4.7'-4.9' bgs. (4.9'-6.1') Black discolored very fine to fine SAND; little Silt; trace Organics; trace fine to medium angular to subangular Gravel; trace Glass/Slag fragments; wet, loose. [FILL]
5							
6							
7							
8	3.3/4	0.5 1.8	N	N			Little coarse Gravel from 8' to 8.5' bgs. (8.5'-17') Brown very fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
9							
10							

SOIL BORING LOG

Boring No.: **D-11**

Project Name:	Seneca Falls PDI	Date Started: 21-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.3/4 (cont'd)	2.1	N	N			(8.5'-17') Brown very fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
11							
12		3.1					
13	3.1/4	1.3	N	N			
14		1.1					
15		1.0					
16		0.9					
17	3.8/4	6.3	N	N			(17'-25.1') Grayish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff. [TILL]
18		17.8					
19		13.5					
20		15.7					

SOIL BORING LOG

Boring No.: **D-11**

Project Name:	Seneca Falls PDI	Date Started: 21-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.9/4	21.3 17.6 18.2	N	N			(17'-25.1') Grayish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff. [TILL] 1" seam of SILT and very fine SAND at 20.7' to 20.8' bgs.
25	3.4/4	10.6 6.7 9.7 5.3	N	N			(25.1'-27.4') Grayish brown SILT; little Clay; little very fine to fine Sand; trace fine to medium subangular to subround Gravel; moist, medium stiff to soft, medium plasticity. [TILL] Wet at 27.2' to 27.4' bgs.
28	3.7/4	34.2 26.3	N	N			(28'-30.6') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-11**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/4 (cont'd)	53.0	N	N	No @ 30.5'	D-11(30.5) @ 1035	(28'-30.6') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
31		16.7					(30.6'-31.7') Grayish brown SILT interbedded with seams of Clay and very fine Sand; moist, medium stiff, moist. Wet at 30.6'-30.7' and 31.5'-31.7'; rapid dilatancy.
32	2.7/3	43.9	N	N			SILT interbedded with CLAY at 32' to 32.7' bgs.
33							(32.7'-34.1') Dark olive brown fine to coarse SAND (weathered Rock); moist, dense.
34		79.2			No @33.5	D11(33.5) @ 1040	(34.1'-34.7') Gray weathered Rock; dry, loose.
		95.1			No @34.5	D11(34.5) @ 1045	
35							Refusal at 35' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062490.13
		East Coor:	765395.07

ARCADIS

SOIL BORING LOG

Boring No.: **D-12**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	54° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.2/4	0.0	N	N			(0'-0.8') Gray fine to coarse angular GRAVEL; dry, loose.
		0.0					(0.8'-2.2') Brown very fine to fine SAND; little Silt; trace fine to coarse angular Gravel; moist, stiff.
2							
		5.9					(2.2'-3.2') Black SLAG and fine to coarse SAND; moist, loose. [FILL]
3							
4							
5	3.7/4	0.0	N	N			(4.6'-6.6') Dark olive brown CLAY; little Silt; trace very fine Sand; trace Organics; moist, stiff, high plasticity.
		0.0					
6							
		0.0					(6.6'-7.7') Olive brown very fine to fine SAND and SILT; trace fine to coarse angular Gravel; trace Clay; moist, dense. Trace Organics from 6.6'-7' bgs.
7							
		0.2					
8	3.9/4	0.1	N	N			(8'-17') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
9							
		0.8					
10							

SOIL BORING LOG

Boring No.: **D-12**

Project Name:	Seneca Falls PDI			Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	54° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.9/4 (cont'd)	2.2	N	N			(8'-17') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
11							
		1.5					
12	3.9/4	3.1	N	N			
13							
		2.2					
14							
		5.9					
15							
		4.9					becomes very stiff to hard from 15.4' to 15.9' bgs.
16	3.8/4	2.5	N	N			
17							(17'-18.8') Grayish brown SILT; little very fine Sand; trace Clay; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL]
		8.4					
18							
		11.3					
19							(18.8'-22.2') Grayish brown SILT; little very fine Sand; little Clay trace fine to coarse subangular to subround Gravel; moist medium stiff, medium plasticity. [TILL]
		7.1					
20							

SOIL BORING LOG

Boring No.: **D-12**

Project Name:	Seneca Falls PDI			Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	54° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	4/4	7.3 11.1 13.9 14.6	N	N			(18.8'-22.2') Grayish brown SILT; little very fine Sand; little Clay trace fine to coarse subangular to subround Gravel; moist medium stiff, medium plasticity. [TILL]
22							(22.2'-23.4) Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff.
23							(23.4'-24') Grayish brown SILT; little very fine Sand; little Clay trace fine to coarse subangular to subround Gravel; moist medium stiff, medium plasticity. [TILL]
24							Becoming soft at 24' bgs.
25	4/4	13.8 19.1 23.2 22.0	N	N	N @ 26.5'	D-12(26.5) @ 1220	
27							
28	3.8/4	19.6 24.0	N	N	N @ 29.5'	D-12(29.5) @ 1230	(28'-30.4') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
29							
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-12**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	54° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	11.5 3.1 20.7	N	N			(30.4'-31.4') Grayish brown SILT, interbedded with seams of CLAY, and very fine SAND and SILT; moist to wet, stiff. Seams with very fine Sand are wet. (31.4'-32.8) Dark olive brown fine to coarse SAND (weathered Rock); moist, dense.
31							
32	0.5/ 0.8	68.1	N	N	N @ 32.7'	D-12(32.7) @ 1240	
33							Refusal at 32.8' bgs.
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062491.62
		East Coor:	765435.02

ARCADIS

SOIL BORING LOG

Boring No.: **D-13**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.9/4	0.0	N	N			(0'-0.4') Asphalt. (0.4'-0.8') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-1.6') Olive gray SILT and CLAY; some Slag; moist, loose. [FILL]
2							(1.6'-2.4') Black SLAG and ASH; moist, loose. [FILL]
3		0.0					(2.4'-2.9') Olive brown SILT; some very fine Sand; trace Clay; trace Organics; moist, soft.
4		0.0					
5	4/4	0.0	N	N			(5.3'-16') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
6		0.0					
7		0.0					
8		0.0					
9	3.7/4	0.0	N	N			
10		0.5					

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SOIL BORING LOG

Boring No.: **D-13**

Project Name:	Seneca Falls PDI			Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.7/4 (cont'd)	0.1	N	N			(5.3'-16') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
11							
12		0.4					
13	3.9/4	5.7	N	N			
14		3.0					
15		0.6					
16		0.7					
17	3.8/4	4.4	N	N			(16'-21.2') Grayish brown SILT and very fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium stiff to stiff, low plasticity. [TILL]
18		4.3					
19		7.3					
20		18.0					

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SOIL BORING LOG

Boring No.: **D-13**

Project Name:	Seneca Falls PDI	Date Started: 21-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	4/4	66.8	N	N	No @ 20.5'	D-13(20.5) @ 1430	(16'-21.2') Grayish brown SILT and very fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium stiff to stiff, low plasticity. [TILL]
21		28.9					(21.2'-23') Brown fine to coarse SAND; trace grading to little fine to medium angular to subangular Gravel; wet, loose to medium dense.
22		34.7					
23		45.1					(23'-24') Grayish brown SILT and very fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium stiff to stiff; low plasticity. [TILL]
24	3.9/4	112.1	N	N	N @ 24.5'	D-13(24.5) @ 1455	(24'-27.2') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to coarse subangular to subround Gravel; moist, medium stiff, high plasticity. [TILL]
25		39.5					
26		8.1					
27		2.1					(27.2'-27.7') Grayish brown fine to medium SAND; little Silt; loose; moist to wet.
28	3.8/4	1.8	N	N			(27.7-27.9) Grayish brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
29		1.1					(28'-29') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; interbedded with seams of fine Sand; moist, dense. [TILL]
30							(29'-30.5') Grayish brown CLAY and SILT; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity.

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SOIL BORING LOG

Boring No.: **D-13**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	11.0 16.2 48.2	N	N			(30.5'-30.9') Grayish brown very fine to fine SAND; little Silt; trace fine to coarse Gravel; moist, medium dense to loose. [TILL]
31							(30.9'-31.8') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
32	1.4/ 1.2	90.6 38.4	N	N	N @ 32.4'	D-13(32.4) @ 1530	(32.3'-32.7') Yellowish olive brown SILT and very fine SAND; wet, medium stiff, rapid dilatancy. (32.7'-32.9') Olive brown SILT and CLAY. (32.9'-33.2') Yellowish olive brown SILT and very fine SAND; wet, medium stiff, rapid dilatancy. (33.2'-33.4') Olive brown CLAY and SILT; moist, stiff. Gray weathered Rock in sample shoe.
33							
34							Refusal at 33.2'.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062511.96
		East Coor:	765374.27

ARCADIS

SOIL BORING LOG

Boring No.: **D-14**

Project Name:	Seneca Falls PDI	Date Started: 22-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.8/4	0.0	N	N	N @ 1.7'-2.2'	D-14(1.7-2.2) @ 0850	(0'-0.3') Asphalt. (0.3'-1.1') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (1.1'-1.7') Brown and black fine to medium SAND and black SLAG; moist, loose. [FILL] (1.7'-2.2') Black SILT; little Clay; moist, soft, moderate petroleum-like odor. (2.2'-2.8') Dark olive brown SILT; little Clay; trace very fine Sand; trace fine to medium angular Gravel; moist, medium stiff.
2				N*			
3		3.8					
4		0.0		N			
5	3.7/4	0.0	N	N			(4'-6') Reddish brown grading to brown SILT; some very fine Sand; trace fine to medium subround to subangular Gravel; trace Clay; moist, stiff. [TILL] (6'-6.6') Olive brown/gray very fine to medium SAND; little Silt; wet, loose. (6.6'-18') Brown SILT; some very fine Sand; trace fine to medium subround to subangular Gravel; trace Clay; moist, stiff. [TILL]
6		0.0					
7		0.0					
8		0.0					
9	3.6/4	0.5	N	N			Becomes soft at 8' to 8.4' bgs.
10		7.4					

ARCADIS

SOIL BORING LOG

Boring No.: **D-14**

Project Name:	Seneca Falls PDI	Date Started: 22-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.6/4 (cont'd)	8.6	N	N			(6.6'-18') Brown SILT; some very fine Sand; trace fine to medium subround to subangular Gravel; trace Clay; moist, stiff. [TILL]
11							
12		11.6					
13	2.2/4	15.6	N	N			
14		34.1					
15		15.1					
16	3.4/4	108.7	N	Y (very slight)			Slight solvent-like odor at 16' to 18' bgs.
17							
18		184.6					(18'-29.4') Grayish brown SILT; some very fine Sand; trace fine to coarse subangular to subround Gravel; trace Clay; medium stiff; moist; moderate solvent odor. [TILL]
19		398.8					
20		531.7		Y (moderate)	N @ 19'		

SOIL BORING LOG

Boring No.: **D-14**

Project Name:	Seneca Falls PDI			Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.6/9	424.2 399.2 396.1 303.4	N	Y (slight)	N @ 20.5'		(18'-29.4') Grayish brown SILT; some very fine Sand; trace fine to coarse subangular to subround Gravel; trace Clay; medium stiff; moist; moderate solvent odor. [TILL] Slight solvent odor at 20'-22.6'.
21							
22							
23							
24	3.8/4	45.7 351.2 996.4 961.2	N	Y (moderate)	N @ 26.8' N @ 27.7'	D-14(26.8) @ 0955	0.5" to 1" thick layers of fine to medium SAND at 24.4' bgs. 0.5" to 1" thick layers of fine to medium SAND at 26.8' to 26.9' bgs.
25							
26							
27							
28	3.6/4	939.2 386.1	N	Y (moderate) Y (slight)	N @ 28.2'		Little grading to trace Clay from 28' to 29.4' bgs. (29.4'-29.9') Brown fine to medium SAND; little fine to medium subangular to subround Gravel; wet, loose.
29							
30							

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SOIL BORING LOG

Boring No.: **D-14**

Project Name:	Seneca Falls PDI	Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	45° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.6/4 (cont'd)	385.1	N	Y (slight)			(29.9'-30.6') Reddish brown CLAY; trace Silt; moist, soft, high plasticity. (30.6'-31.3') Reddish brown SILT; little Clay; very fine to fine Sand; trace fine subangular Gravel; moist, soft.
31							(31.3'-31.6') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
		362.4					
32	2.3/ 2.3	812.1	N	Y (moderate)	N @ 33'	D-14(33) @ 1040	(32'-33.2') Grayish brown SILT wet, medium stiff, rapid dilatancy; interbedded with seams of CLAY; soft, moist, high plasticity.
33		1240					(33.2'-34.3') Yellowish olive brown fine to coarse SAND; little Silt; moist, loose.
		29.8					
34		4081			N @ 34.2'	D-14(34.2) @1050	Gray weathered Rock in sample shoe.
35							Refusal at 34.3' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062531.39
	* = moderate petroleum-like odor.	East Coor:	765394.01
	DUP-04_20200922 collected at D-14(33)		

SOIL BORING LOG

Boring No.: **D-15**

Project Name:	Seneca Falls PDI	Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.6/4	7.6	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-2.6') Orangish brown and black SLAG; little fine Sand; trace coarse angular Gravel; moist, loose.
2		0.0					
3		0.0					
4	3/4	0.0	N	N			(4'-5.5') Dark olive gray grading to olive brown SILT; little Clay; trace very fine Sand; trace fine Gravel; moist, stiff, medium plasticity. (5.5'-21.6') Reddish brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff. [TILL]
5		0.0					
6		0.0					
7		0.0					
8	3.9/4	0.0	N	N			Becoming brown at 8'-11.9'.
9		0.0					
10							

SOIL BORING LOG

Boring No.: **D-15**

Project Name:	Seneca Falls PDI	Date Started: 22-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 55° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.9/4 (cont'd)	1.5	N	N			(5.5'-21.6') Brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff. [TILL]
11							
		1.9					
12	3.7/4	0.9	N	N			
13							
		2.5					
14							
		2.6					
15							
		3.7					
16	3.8/4	5.2	N	N			
17							
		10.8					
18							
		6.5					
19							
		8.7					Becomes soft at 19.6' bgs.
20							

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SOIL BORING LOG

Boring No.: **D-15**

Project Name:	Seneca Falls PDI	Date Started: 22-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 55° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.6/4	12.3	N	N			(5.5'-21.6') Brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, soft. [TILL]
21		15.8					(21.6'-22.7') Brown very fine to fine SAND; wet, loose.
22		13.4					(22.7'-23.1') Brown very fine SAND; some Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, soft. [TILL]
23		30.6					(23.1'-23.6') Brown very fine to fine SAND; wet, loose.
24	3.8/4	38.3	N	N	N @ 25.7'		(24'-27.8') Grayish brown SILT; trace grading to little Clay; little grading to trace very fine to fine Sand; trace fine to coarse subround to subangular Gravel; medium stiff to soft; moist. [TILL].
25		48.4					
26		37.3					Starts to display medium plasticity.
27		36.6					
28	3.5/4	36.4	N	N			(28'-30.9') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft. [TILL]
29		39.3					
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-15**

Project Name:	Seneca Falls PDI	Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.5/4 (cont'd)	167.7	N	N			(28'-30.9') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft. [TILL]
31		275.1					(30.9'-32.2') Grayish brown CLAY; trace Silt; moist, very soft high plasticity.
32	2.4/ 3.7	591.2	N	N	N @ 32.2'	D-15 (32.2- 32.4) @ 1240	(32.2'-32.4') Yellowish olive brown SILT; little very fine Sand; wet, dense, slow dilatancy, very slight odor.
33		222.6					(32.4'-32.6') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
34		790.8			N @ 33.1'	D-15 (33.1) @ 1245	(32.6'-32.9') Yellowish olive brown weathered Rock; moist, loose.
35		377.4					(32.9'-33.4') Yellowish olive brown SILT and very fine to medium SAND (weathered Rock); trace Clay; wet, dense.
		333.4					(33.4'-34.1') Gray weathered Rock; dry to moist, loose.
							(34.1'-34.4') Yellowish olive brown SILT and very fine to medium SAND (weathered Rock); trace Clay; wet, dense.
36							Refusal at 35.7' bgs.
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062532.17
		East Coor:	765414.17

ARCADIS

SOIL BORING LOG

Boring No.: **D-16**

Project Name:	Seneca Falls PDI	Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.2/4	1.0	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-2.2') Black SLAG and SOOT; little brown very fine to fine Sand; moist, loose. [FILL]
2		0.0					
3		0.0					
4	3.7/4	0.0	N	N		D-16 (4-4.5) @ 1340	(4'-4.7') Reddish brown SILT and CLAY; little very fine Sand; trace fine to medium subangular to subround Gravel; trace Organics; moist, very stiff. (4.7'-17.6') Reddish brown to brown very fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
5		0.0					
6		0.0					
7		0.0					
8	3.9/4	0.0	N	N			
9		0.0					
10							

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SOIL BORING LOG

Boring No.: **D-16**

Project Name:	Seneca Falls PDI			Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.9/4 (cont'd)	0.0	N	N			(4.7'-17.6') Reddish brown to brown very fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
11							
		3.8					Root traces at 11.7' to 11.9' bgs.
12	3.8/4	10.4	N	N			
13							
		9.0					
14							
		11.5					
15							
		11.3					
16	3.6/4	33.3	N	N			Becomes stiff at 16' to 17.6' bgs.
17							
		44.7					(17.6'-20') Grayish brown SILT; little Clay; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff, low plasticity. [TILL]
18							
		67.3					
19							
		74.1					
20							

SOIL BORING LOG

Boring No.: **D-16**

Project Name:	Seneca Falls PDI	Date Started: 22-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.6/4	74.8	N	N			(20'-31.9') Grayish brown SILT; little very fine Sand; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff, low plasticity. [TILL]. Seam of water at 20.7' bgs.
21		105.2					
22		138.4					
23		450.6		Y (slight)	P @ 23.5'	D-16 (23.5-24) @ 1425	
24	3.5/4	520.1	N	Y (slight)	N @ 25.5'		
25		535.8					
26		595.7					
27		798.1			N @ 27.5'	D-16 (27.5) @ 1435	Medium stiff to soft at 27.2' to 27.5' bgs.
28	3.9/4	657.1	N	Y (slight)			(28'-31.9') Grayish brown SILT; little very fine Sand; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
29		601.7					
30							

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SOIL BORING LOG

Boring No.: **D-16**

Project Name:	Seneca Falls PDI	Date Started:	22-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	22-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	62° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.9/4 (cont'd)	366.7	N	Y (slight)			(28'-31.9') Grayish brown SILT; little very fine Sand; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
31		290.9					
32	1.7/ 1.5	61.2	N	N			(32.1'-33.1') Reddish brown grading to grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
33		37.9					
		42.0					(33.1'-33.6') Olive brown SILT; little very fine Sand; moist, dense.
		55.1					(33.6'-33.7') Olive brown weathered Rock; moist, dense.
34							Refusal at 33.5' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062538.65
	MS/MSD collected at D-16 (23.5-24)	East Coor:	765470.69

ARCADIS

SOIL BORING LOG

Boring No.: **D-17**

Project Name:	Seneca Falls PDI	Date Started:	23-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	23-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.6/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.7') Brown fine to coarse SAND and fine to coarse angular to subround GRAVEL; moist, loose. [Road base] (0.7'-12') Brown very fine SAND; little Silt; trace fine to medium Gravel; trace Clay; moist, soft.
2							
3		0.0					Seam of fine to coarse SAND; trace Silt at 1.7' to 1.9' bgs.
4		0.0					
5	1.2/4	0.0	N	N			Becoming wet at 4.3' bgs.
6		3.1					
7							
8	1/4	0.0	N	N			Becoming very wet; loose at 8' to 9' bgs.
9		0.0					
10							

ARCADIS

SOIL BORING LOG

Boring No.: **D-17**

Project Name:	Seneca Falls PDI			Date Started:	23-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	23-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	1/4 (cont'd)		N	N			(0.7'-12') Brown very fine SAND; little Silt; trace fine to medium Gravel; trace Clay; very wet, loose. Poor recovery due to very loose material and rock stuck in sample shoe.
11							
12	3.6/4	59.6	N	N			(12'-15.6') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium stiff and soft. [TILL]
13		36.3					
14							
15		67.7					
16		75.0					Becoming medium stiff to stiff at 16' to 16.9' bgs.
17	3.9/4	115.3	N	N			(16.9'-19.7') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, medium stiff. [TILL] Layer of yellowish olive brown very fine SAND at 17.5' to 17.7' bgs.
18		185.6					
19		171.2					
20		294.6					(19.7'-19.9') Brown fine to coarse SAND and fine to medium GRAVEL; moist, loose.

SOIL BORING LOG

Boring No.: **D-17**

Project Name:	Seneca Falls PDI			Date Started:	23-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	23-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.2/4	200.1 134.9 218.9 223.6	N	N	N @ 23.2'	D-17(23.2) @ 0925	(20'-20.2') Grayish brown fine to coarse SAND; little fine to medium Gravel; wet, loose. (20.2'-23.4') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, medium stiff. [TILL] Little Clay starting at 22.7' bgs.
24	3.9/4	62.2 39.5 5.1 0.0	N	N			(24'-27.9') Grayish brown SILT; some Clay; trace very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
28	2.6/4	96.3 173.0	N	N	N @ 28.1' N @ 29.5'		(28.2'-30') Grayish brown very fine to coarse SAND; little Silt; trace fine Gravel; wet, very loose.
30							

SOIL BORING LOG

Boring No.: **D-17**

Project Name:	Seneca Falls PDI	Date Started:	23-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	23-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.6/4 (cont'd)	0.7	N	N	N @ 30.5'		(30'-30.6') Grayish brown SILT; some Clay; trace very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
31							
32	0.3/ 2.6	36.8	N	N	N @ 34.5'	D-17(34.5) @ 1005	(32'-32.3') Yellowish brown SILT; little very fine Sand; little Clay; wet, stiff. Weathered Rock in sample shoe.
33							
34							
35							Refusal at 34.6' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062741.03
		East Coor:	766371.28

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SOIL BORING LOG

Boring No.: **D-18**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	76° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-1') Olive brown very fine to coarse SAND; little Silt; trace fine to medium angular to subangular Gravel; moist, loose. [Road base] (1'-2.4') Olive brown grading to reddish brown very fine to fine SAND and SILT; little Organics (roots); trace Clay; trace fine to medium angular to subangular Gravel; moist, soft. (2.4'-11.7') Brown very fine to fine SAND; some Silt; trace fine to coarse angular to subround Grave; trace Clay; moist, stiff. [TILL]
2		0.0					
3		1.3					
4	4/4	0.0	N	N			
5		0.0					
6		2.6					
7		4.6					
8	3.7/4	17.2	N	N			
9		65.3					
10							

SOIL BORING LOG

Boring No.: **D-18**

Project Name:	Seneca Falls PDI			Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	76° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.7/4 (cont'd)	280.3	N	N			(2.4'-11.7') Brown very fine to fine SAND; some Silt; trace fine to coarse angular to subround Grave; trace Clay; moist, stiff. [TILL]
11							
12		305.3		Y (very slight)	N @ 11.9'		
13	3.7/4	763.1 540.1 361.7	N	Y (slight)	N @ 12.1'	D-18(12.1) @ 1115	Becoming medium stiff at 12' bgs. Layer of very fine to medium SAND; little silt, wet, at 12' to 12.2' bgs.
14		1041.0			N @ 14'	D-18(14) @ 1120	
15		364.2			N @ 14.4'		(14.5'-15.7') Grayish brown SILT and very fine SAND; trace Clay; trace fine to coarse subround to subangular Gravel; moist, soft. [TILL]
16		759.0			N @ 15.6'		
17	0/4		N	N			No recovery. Material is very soft and wet.
18							
19							
20							

SOIL BORING LOG

Boring No.: **D-18**

Project Name:	Seneca Falls PDI			Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	76° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	0.4/4	360.4	N	N			(20'-20.4') Brown SILT; some Clay; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; wet, very soft. [TILL]
24	3.6/4	528.2 182.7 55.2 270.1	N	N	N @ 24' N @ 24.2'		Little Clay starting at 24' bgs. Seam of very fine to fine SAND; moist, loose at 26.2' to 26.3' bgs.
28	3.4/4	132.7 49.6	N	N	N @ 28.2'		(28'-29.7') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
30							

SOIL BORING LOG

Boring No.: **D-18**

Project Name:	Seneca Falls PDI	Date Started:	21-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	21-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	76° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.4/4	14.5 7.3	N	N			(29.7'-31.4') Grayish brown CLAY; trace Silt.
31							
32	1.4/2	1.3 2.9	N	N	N		Little Silt from 32' to 32.2' bgs. (32.2'-33.4') Gray weathered Rock; dry, loose.
33							
34							Refusal at 34' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062703.31
		East Coor:	766352.39

ARCADIS

SOIL BORING LOG

Boring No.: **D-19**

Project Name:	Seneca Falls PDI			Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1 2 3 4 5	Hand Cleared						(0'-0.3') Asphalt. (0.3'-0.5') Hand cleared with hand auger.
6	0.8/3	0.0 0.0	N	N			(5'-12.3') Brown very fine SAND and SILT; trace fine to coarse angular to subround Gravel; trace Clay; wet to moist, medium stiff. [TILL]
7 8							
9 10	1.3/4		N	N			Becomes soft at 8' bgs.

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SOIL BORING LOG

Boring No.: **D-19**

Project Name:	Seneca Falls PDI			Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	1.3/4 (cont'd)		N	N			(5'-12.3') Brown very fine SAND and SILT; trace fine to coarse angular to subround Gravel; trace Clay; wet to moist, soft. [TILL]
11							
12	1.3/4	0.0 3.4	N	N			Becomes very soft at 12' bgs.
13							
14							
15							
16	0/4		N	N			(16'-20') No Recovery; wet, loose.
17							
18							
19							
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-19**

Project Name:	Seneca Falls PDI	Date Started: 30-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 30-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 60° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.9/4	94.0	N	N	N @ 22.8'	D-19(22.8) @ 1055	(20'-29.8') Grayish brown SILT; little very fine Sand; little Clay; trace subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
21		104.0					
22		86.0					
23		108.1					
24	3.7/4	0.4	N	N			(20'-29.8') Grayish brown SILT and CLAY; little very fine Sand; trace subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
25		0.0					
26		0.0					
27		1.4					
28	3.9/4	0.0	N	N			
29		0.0					
30							(29.8'-31.2') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.

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SOIL BORING LOG

Boring No.: **D-19**

Project Name:	Seneca Falls PDI	Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.9/4 (cont'd)	0.0	N	N			(31.2'-31.4') Gray SILT; little Clay; laminated; moist, soft.
31		5.9			N @ 31.8'		(31.4'-31.8') Yellowish olive brown SILT; little very fine Sand; laminated; moist to wet, medium stiff.
							(31.8'-31.9') Weathered Rock; moist, loose.
32							Refusal at 32' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062720.61
		East Coor:	766365.50

ARCADIS

SOIL BORING LOG

Boring No.: **D-20**

Project Name:	Seneca Falls PDI	Date Started: 30-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 30-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 58° F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.7/4	3.0	N	N			(0'-0.3') Asphalt. (0.3-0.8') Dark brown very fine to coarse SAND; little Silt; trace fine to medium Gravel; trace Clay; moist to wet, loose, slight petroleum-like odor. (0.8'-2.3') Olive brown SILT and CLAY; little very fine to medium Sand; trace fine to coarse Gravel; moist, stiff. (2.3'-13.9') Brown very fine SAND; some Silt; trace fine to coarse angular to subround Gravel; trace Clay; moist, very stiff. [TILL]
2		13.7					
3		0.0					
4		0.0					
5	3.6/4	0.9	N	N			Becoming stiff at 4'-8'.
6		0.0					
7		0.0					
8		0.0					
9	4/4	17.8	N	N			Becoming soft at 8' to 8.5' bgs. Becoming very stiff at 8.5' to 12' bgs.
10		0.7					

ARCADIS

SOIL BORING LOG

Boring No.: **D-20**

Project Name:	Seneca Falls PDI			Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	58° F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	0.2	N	N			(2.3'-13.9') Brown very fine SAND; some Silt; trace fine to coarse angular to subround Gravel; trace Clay; moist, very stiff. [TILL]
11							
12		0.7					
13	4/4	95.6	N	N	N @ 14.6'	D-20(14.6) @ 1250	(13.9'-32') Grayish brown very fine SAND and SILT; trace fine to coarse angular to subround Gravel; trace Clay; moist, very stiff. [TILL] Becomes soft, wet at 14.7' to 15' bgs.
14		125.3					
15		358.1					
16		98.3					Becomes little Clay at 16' bgs.
17	4/4	61.2	N	N			
18		29.5					
19		13.9					
20		6.6					

ARCADIS

SOIL BORING LOG

Boring No.: **D-20**

Project Name:	Seneca Falls PDI	Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.6/4	0.0 0.0 0.0 0.0	N	N			(13.9'-32') Grayish brown very fine SAND and SILT; little Clay, trace fine to coarse angular to subround Gravel; moist, soft. [TILL]
24	3.8/4	11.7 12.4 27.2 36.8	N	N			Some fine to coarse SAND and fine subangular Gravel at 27.5' to 27.8' bgs.
28	3.5/4	15.6 29.9	N	N			Some very fine to fine SAND at 29.1' to 29.5'.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-20**

Project Name:	Seneca Falls PDI	Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	58° F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.5/4 (cont'd)	8.2	N	N			(13.9'-32') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse angular to subround Gravel; moist, soft. [TILL]
31							
		1.5					
32	3.3/ 2.8	0.0	N	N			(32-33') Grayish brown very fine SAND and SILT; some Clay; trace fine to coarse angular to subround Gravel; moist, soft, medium plasticity. [TILL]
33		0.0					(33'-34') Gray CLAY; trace Silt; moist, soft, high plasticity.
		0.0					Laminated at 33.6'-34'.
34		0.0					(34'-35.3') Gray CLAY, moist, soft, high plasticity interbedded with SILT; wet, soft, rapid dilatancy.
35							Refusal at 34.8' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062710.09
		East Coor:	766306.03

ARCADIS

SOIL BORING LOG

Boring No.: **D-21**

Project Name:	Seneca Falls PDI	Date Started: 30-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 30-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 59°F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	0.0	N	N		D-21(2-2.5) @1400	(0'-0.3') Asphalt. (0.3'-0.9') Olive brown very fine to coarse SAND; some fine to medium angular Gravel; trace Silt; trace Clay; moist, loose. (0.9'-2.6') Olive brown SILT and very fine to fine SAND; trace organics; trace Clay; trace fine to coarse angular to subround Gravel; moist, medium stiff.
2		0.0					
3		0.0					(2.6'-3.3') Olive brown to brown very fine SAND and SILT; trace fine to medium subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
4		0.0					
5	3.6/4	0.0	N	N			(4'-12.2') Brown very fine SAND and SILT; trace fine to medium subangular to subround Gravel; trace Clay; moist, very stiff. Vertical fractures lined with white very fine SAND. [TILL]
6		0.0					
7		0.0					
8		0.0					
9	3.5/4	0.0	N	N	N @ 8.7'		Vertical fractures not present past 8' bgs.
10		0.0					

SOIL BORING LOG

Boring No.: **D-21**

Project Name:	Seneca Falls PDI	Date Started: 30-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 30-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 59°F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.5/4	3.5 199.4 162.1	N	N			(4'-12.2') Brown very fine SAND and SILT; trace fine to medium subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
12	1.9/4	4,091 3,986	N	Y	N @ 12.9' N @ 13.5'	D-21(12.9) @ 1435 D-21(13.5) @ 1440	(12.2'-12.6') Fractured Cobbles; wet, loose. (12.6'-18.4') Grayish brown SILT and very fine SAND; trace Clay; trace fine to coarse subround to subangular Gravel; moist, stiff, strong solvent-like odor. [TILL] **NOTE: COC shows sample labeled as D-21(12.5) @ 1440. The sample depth reported here is correct.**
16	2.4/4	783.0 15000+ 12,375 1,484	N	Y	N @ 17.5' N @ 18.2'	D-21(17.5) 1510	Very trace sheen on water around Gravel at 18.2' bgs.
20							

SOIL BORING LOG

Boring No.: **D-21**

Project Name:	Seneca Falls PDI	Date Started: 30-Sep-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 30-Sep-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 59°F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	0/4		NA	NA			(20'-24') No Recovery.
24	4/4	219.0 209.7 125.4 269.1	N	N			(24'-28') Grayish brown SILT and very fine SAND; trace Clay; trace fine to coarse subround to subangular Gravel; moist, stiff, very slight solvent-like odor. [TILL]
28	3/4	507.4 116.7 97.0	N	N	N @ 28.4'	D-21(28.5) @ 1550	(28'-31') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, medium plasticity. [TILL]
30							

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SOIL BORING LOG

Boring No.: **D-21**

Project Name:	Seneca Falls PDI	Date Started:	30-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	30-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	59°F; overcast and rain

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3/4 cont.	11.5	N	N			(28'-31') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, medium plasticity. [TILL]
31							
32	0/1.6		NA	NA			(32'-33.6') No Recovery.
33							
34							Refusal at 33.6' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062680.27
	DUP-05_20200930 collected from D-21(17.5)	East Coor:	766330.43

ARCADIS

SOIL BORING LOG

Boring No.: **D-22**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.7/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.7') Brownish gray fine to coarse SAND; some fine to coarse angular GRAVEL, moist, loose. [Road base] (0.7'-2.6') Olive brown to reddish brown SILT; some very fine to fine Sand; trace Clay; trace fine subangular Gravel; moist, medium stiff, moist.
2		0.0					
3		0.0					(2.6'-15.1') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
4		0.0					
5	4/4	0.0	N	N			Becoming reddish brown to brown at 4' bgs.
6		0.0					
7		2.8					
8		12.0					
9	4/4	14.3	N	N			
10		28.6					

ARCADIS

SOIL BORING LOG

Boring No.: **D-22**

Project Name:	Seneca Falls PDI	Date Started: 1-Oct-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 1-Oct-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 55°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	75.9	N	N			(2.6'-15.1') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, stiff. [TILL]
11							
		260.1			N @ 11.5'		Becomes medium stiff at 11.8' bgs.
12							Becomes soft at 12' bgs.
13	4/4	215.8	N	N			
14		379.7					
15		320.9					
		1,074.1			N @ 15.5'	D-22(15.5) @ 0905	(15.1'-16.2') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, stiff to very stiff, slight solvent-like odor. [TILL]
16	3.2/4	1,031	N	N		D-22(16.5) @ 0915	(16.2'-20') Grayish brown very fine SAND and SILT; some Clay; trace fine to coarse subangular to subround Gravel; moist, stiff, medium plasticity, very slight solvent-like odor. [TILL]
17							
		693.1					
18							
		572.1					
19							
		297.1					
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-22**

Project Name:	Seneca Falls PDI	Date Started: 1-Oct-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 1-Oct-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 55°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3/4	112.1	N	N			(20'-23') Grayish brown very fine SAND and SILT; some Clay; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
21		118.5					
22		197.4					
23		348.2			N @ 23'		
24	3.8/4	279.1	N	N	N @ 24.5'		(24'-24.6') Brown very fine to medium SAND and SILT; trace fine to coarse angular to subround Gravel; trace Clay; moist, loose. (24.6'-27.8') Grayish brown very fine SAND and SILT; some Clay; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
25		305.0					
26							
27		241.7			N @ 26.5'		
28		54.6					
29	3.7/ 3.8	0.0	N	N			(28'-30') Grayish brown SILT and CLAY; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity. [TILL]
30		0.0					

SOIL BORING LOG

Boring No.: **D-22**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	55°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/ 3.8	0.0 0.0	N	N			(30'-31.8') Grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
31							
32							Refusal at 31.8' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062694.33
	MS/MSD collected at D-22(15.5)	East Coor:	766357.79

ARCADIS

SOIL BORING LOG

Boring No.: **D-23**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Grayish brown SILT and fine to coarse angular GRAVEL; moist, loose. [Road base] (0.9'-2.3') Olive to reddish brown SILT; little very fine to fine Sand; trace Clay; moist, stiff. (2.3'-13.7') Reddish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
2		0.0					
3		0.0					
4	3.3/4	0.0	N	N			Stiff to medium stiff at 4' to 5.1' bgs.
5		0.0					
6		0.0					
7		0.0					
8	2.1/4	1.6	N	N			Fractured COBBLES at 8.2' to 8.4' bgs.
9		4.8					
10							

ARCADIS

SOIL BORING LOG

Boring No.: **D-23**

Project Name:	Seneca Falls PDI	Date Started: 1-Oct-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 1-Oct-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	2.1/4 (cont'd)	14.4	N	N			(2.3'-13.7') Reddish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]
11							
12	3.8/4	8.7	N	N			Seam of fine subangular GRAVEL; wet at 12.1' bgs.
13		13.0					
14							(13.7'-15.8') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, very stiff. [TILL]. Seam of fine subangular GRAVEL; wet at 14.2' bgs.
15		55.4			N @ 14.5'	D-23(14.5) @ 1040	
16		23.4					
17	3.7/4	17.5	N	N			(16'-23.1') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
18		31.7					
19		49.0					
20		48.5			N @ 19.5'		

SOIL BORING LOG

Boring No.: **D-23**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.7/4	30.4 70.7 67.2	N	N	N @ 22.5'	D-23(21.5) @ 1110	(16'-23.1') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL] Very thin seam of fine SAND; wet at 21.1' bgs.
21							
22							
23							
24	0.8/4	10.3	N	N			(24'-24.8') Grayish brown very fine SAND and SILT; trace to little fine to coarse Gravel; wet, very soft. Very poor recovery.
25							
26							
27							
28	2.8/ 2.8	12.2 3.8	N	N			(28.1'-30') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity. Becoming grayish brown at 29.1'-30'.
29							
30							

SOIL BORING LOG

Boring No.: **D-23**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.8/ 2.8 (cont'd)	13.4 4.5	N	N			(30'-30.3') Yellowish brown SILT and very fine SAND; wet, medium stiff, slow dilatancy. (30.3'-30.8') Weathered Rock.
31							Refusal at 30.8' bgs.
32							
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062708.15
		East Coor:	766383.98

ARCADIS

SOIL BORING LOG

Boring No.: **D-24**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1 2 3 4 5	0/5		N	N			Hand Cleared to 5' bgs. (0'-0.3') Asphalt. (0.3'-0.9') Grayish brown SILT and fine to coarse angular GRAVEL; moist, loose. [Road base]* (0.9'-2.3') Olive to reddish brown SILT; little very fine to fine Sand; trace Clay; moist, stiff.* (2.3'-5') Reddish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very stiff. [TILL]*
6 7 8	3/3	NA	N	N			(5'-12') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, stiff. [TILL] Seams of coarse SAND; wet at 7' and 7.7' bgs.
9 10	1.5/4	NA	N	N			

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SOIL BORING LOG

Boring No.: **D-24**

Project Name:	Seneca Falls PDI	Date Started: 1-Oct-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 1-Oct-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	1.5/4 (cont'd)	NA	N	N			(5'-12') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, stiff. [TILL]
11							
12	1.6/4	8.2 13.4	N	N			(12'-13.6') Reddish brown SILT; little medium to coarse Sand; little fine to coarse subround to subangular Gravel; trace Clay; wet, loose. [TILL]
13							
14							
15							
16	0/4		N	N			(16'-20') No Recovery; wet and soft while drilling.
17							
18							
19							
20							

SOIL BORING LOG

Boring No.: **D-24**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.6/4	0.9 3.2 0.2	N	N			(20'-22.6') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity. [TILL]
24	0/4		N	N			(24'-28') No Recovery; very wet and soft while drilling.
28	3.7/ 3.7	0.7 5.7	N	N			(28'-29.2') Reddish brown to gray CLAY; trace Silt; moist, very soft, high plasticity. (29.2'-30.8') Reddish brown SILT and very fine SAND; wet, medium stiff, slow dilatancy interbedded with CLAY; moist, very soft, high plasticity.
30							

SOIL BORING LOG

Boring No.: **D-24**

Project Name:	Seneca Falls PDI	Date Started:	1-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	1-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/ 3.7 (cont'd)	33.8	N	N		D-24(30.3) @ 1515	(30.8'-31.7') Weathered Rock; moist to dry, loose.
31		46.0			N @ 31.5'	D-24(31.5) @ 1520	
32							Refusal at 31.7' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/ Abandonment:	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
	* = top 5' of soil descriptions from boring D-23.	North Coor:	1062721.64
	PID not working correctly when soil was collected from 5' to 12' bgs.	East Coor:	766408.83

ARCADIS

SOIL BORING LOG

Boring No.: **D-25**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1 2 3 4 5	0/5		N	N			(0'-5') Hand cleared.
6 7 8	3.3/3	0.0 0.0 0.0	N	N			(5'-12.6') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff. [TILL]
9 10	4/4	1.0 3.7	N	N			

SOIL BORING LOG

Boring No.: **D-25**

Project Name:	Seneca Falls PDI			Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	9.7	N	N			(5'-12.6') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, very stiff. [TILL]. Soft from 10.2' to 11.1' bgs.
11							
12		18.0					
13	3.7/4	303.1	N	N	N @ 13.5'		(12.6'-18') Grayish brown SILT and very fine SAND; little Clay; trace fine to coarse subround to subangular Gravel; moist, medium stiff, low to medium plasticity, slight solvent-like odor. [TILL]
14		542.7					
15		537.1					
16		587.0			N @ 15.5'	D-25(15.5) @ 0925	
17	3.8/4	634.1	N	N	N @ 16.5'		
18		704.5			N @ 17.5'	D-25(17.5) @ 0940	(12.6'-18') Grayish brown SILT and very fine SAND; some Clay; trace fine to coarse subround to subangular Gravel; moist, medium stiff, medium plasticity, slight solvent-like odor. [TILL]
19		354.2					
20		179.1					

SOIL BORING LOG

Boring No.: **D-25**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.9/4	60.5	N	N			(20'-29.9') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
21		30.9					
22							
23		7.2					
24		0.8					
25	3.6/4	1.8	N	N			Becoming very soft at 24' bgs.
26		11.6					
27		14.2					
28		16.0					
29	3.7/4	0.0	N	N			
30		0.0					(29.9'-31.7') Reddish brown CLAY; trace Silt, moist, very soft, high plasticity.

SOIL BORING LOG

Boring No.: **D-25**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.7/4	0.0 0.0	N	N			(29.9'-31.7') Reddish brown CLAY; trace Silt, moist, very soft, high plasticity. Becomes grayish brown.
31							
32	0.6/ 0.8	4.7	N	N			(32.2'-32.4') Yellowish brown SILT and very fine SAND; wet, soft, slow dilatancy. (32.4'-32.6') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
33							Refusal at 32.8' bgs.
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062664.83
		East Coor:	766343.39

ARCADIS

SOIL BORING LOG

Boring No.: **D-26**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3/4	1.0	N	N			(0'-0.3') Asphalt. (0.3'-1.3') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
2		2.5					(1.3'-3') Black SLAG and SOOT; moist to wet, loose. [FILL]
3		1.0					Wet from 2.4' to 3' bgs.
4	4/4	0.0	N	N			(4'-22.3') Brown, discolored to olive gray very fine SAND and SILT; trace Clay; trace fine to coarse subround to subangular Gravel; moist, very stiff. [TILL] Becoming reddish brown at 4.4' bgs.
5		0.0					
6		0.0					
7		0.0					
8	3.7/4	0.0	N	N			
9		0.0					
10							

SOIL BORING LOG

Boring No.: **D-26**

Project Name:	Seneca Falls PDI			Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.7/4 (cont'd)	0.6	N	N			(4'-20') Reddish brown very fine SAND and SILT; trace Clay; trace fine to coarse subround to subangular Gravel; moist, very stiff. [TILL]
11							
12		3.0					
13	3.9/4	5.3	N	N			
14		11.2					
15		11.1					
16		11.3					
17	3.8/4	53.4	N	N	N @ 18.5'		Grayish brown from 17.1' to 18.2' bgs.
18		38.1					
19		58.4					
20		40.1					

SOIL BORING LOG

Boring No.: **D-26**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.7/4	87.1	N	N			(20'-22.3') Layers of Reddish brown, alternating with grayish brown very fine SAND and SILT; trace Clay; trace fine to coarse subround to subangular Gravel; moist, very stiff. [TILL]
21		121.8					
22							
23		297.1					Slight solvent-like odor.
24		527.2			N @ 23.5'	D-26(23.5) @ 1335	
25	3.8/4	831.5	N	N	N @ 24.5'		(24'-27.8') Grayish brown SILT; some very fine Sand; little Clay; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity, slight solvent-like odor. [TILL]
26		963.1			N @ 25.5'	D-26(25.5) @ 1350	
27		1,140			N @ 26.5'	D-26(26.5) @ 1355	
28		814.7			N @ 27.5'		
29	3/4	816.7	N	N			(28'-31') Grayish brown CLAY and SILT; trace very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity, slight solvent-like odor. [TILL]
30		779.8			N @ 29.5'	D-26(29.5) @ 1415	

ARCADIS

SOIL BORING LOG

Boring No.: **D-26**

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3/4 (cont'd)	643.1 346.2	N	N			(28'-31') Grayish brown CLAY and SILT; trace very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity, slight solvent-like odor. [TILL]
31							
32							Refusal at 32' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062558.36
		East Coor:	765467.71

ARCADIS

SOIL BORING LOG

Boring No.: **D-27**

Project Name:	Seneca Falls PDI	Date Started:	2-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	30° F; wind, snow

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	NA/5		N	N			Hand Cleared to 5' bgs.. (0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-5') Brown SILT; little very fine to fine Sand; trace Clay; moist, stiff.
2							
3							
4							
5	3/3	0.0	N	N			(5'-9.6') Reddish brown very fine SAND; some Silt; trace fine to coarse angular to subround Gravel; trace Clay; moist, medium stiff to stiff. [TILL]
6		0.0					
7		0.0					
8		0.0					
9	4/4	0.1	N	N			
10		0.5					(9.6'-10.7') Reddish brown SILT; some Clay; little very fine Sand; moist, stiff, medium plasticity.

ARCADIS

SOIL BORING LOG

Boring No.: **D-27**

Project Name:	Seneca Falls PDI	Date Started: 2-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 2-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 30° F; wind, snow

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10							
11	4/4 (cont'd)	1.0 0.5	N	N	N @ 10.9'		(10.7'-11.4') Reddish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist to wet, soft, slight solvent-like odor. (11.4'-14.2') Reddish brown very fine SAND; some Silt; trace fine to coarse angular to subround Gravel; trace Clay; moist, medium stiff to stiff. [TILL]
12							
13	3.7/4	1,243 606.7 1,597 891.7 453.1 379.1	N	Moderate	N @ 12.5' N @ 13.6' N @ 13.7' N @ 13.8'	D-27(12.5) @ 1125 D-27(13.7) @ 1130	Starting moderate solvent-like odor. (14.2'-19.7') Grayish brown SILT; some very fine SAND; little Clay; trace fine to coarse Gravel; moist, soft, moderate solvent-like odor. [TILL]
14							
15							
16							Starting slight solvent-like odor.
17	3.7/4	369.7 127.2 195.1 75.8	N	Slight N			No odor.
18							
19							
20							

SOIL BORING LOG

Boring No.: **D-27**

Project Name:	Seneca Falls PDI	Date Started: 2-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 2-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 30° F; wind, snow

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20							
		242.1					(20'-26.6') Grayish brown SILT; some Clay; little very fine Sand; trace fine to coarse Gravel; moist, soft, medium plasticity, slight solvent-like odor. [TILL]
21							
		132.4					
22	3.7/4		N	Slight			
		108.9					
23							
		131.2					
24		241.2					
		721.1			N @ 24.2'		Starting moderate solvent-like odor.
25							
		400.1		Moderate	N @ 25.5'		
26	3.7/4	271.0	N				
		407.3			N @ 26.5'		(26.6'-30.4') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse Gravel; moist, soft, medium plasticity, slight solvent-like odor. [TILL]
27							
		79.1		Slight			
28							
		1.6					
29	2.4/4		N	Slight			
		6.8					
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-27**

Project Name:	Seneca Falls PDI	Date Started:	2-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	30° F; wind, snow

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.4/4 (cont'd)	15.1 60.4	N	N	N @ 30.1'		(26.6'-30.4') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse Gravel; moist, soft, medium plasticity. [TILL]
31							
32	1.6/ 1.6	247.1 400.2 329.1 200.2	N	Moderate	N @ 32.9' N @ 33.3'	D-27(32.9) @ 1225 D-27 (33.3) @ 1230	(32'-33.6') Reddish brown to brownish gray CLAY; trace Silt; moist, very soft, high plasticity. Layers of SILT; little very fine Sand; wet, soft at 32.8' to 33' and 33.2' to 33.4' bgs.
33							
34							Refusal at 33.6' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062748.95
		East Coor:	766391.26

ARCADIS

SOIL BORING LOG

Boring No.: **D-28**

Project Name:	Seneca Falls PDI	Date Started:	2-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	38° F; wind, sun

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	4/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.7') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.7'-1.3') Olive gray SILT and very fine SAND; moist, medium dense. (1.3'-1.8') Olive gray grading to reddish brown SILT and very fine to fine SAND; trace fine to medium Gravel; moist, dense. (1.8'-11.8') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subround to subangular Gravel; moist, dense. [TILL]
2		0.0					
3		0.4					
4		0.1					
5	3.5/4	0.2	N	N			
6		0.6					
7		0.3					
8		0.6					Red SANDSTONE in sample shoe at 8'.
9	3.8/4	1.4	N	N			
10		3.2					

ARCADIS

SOIL BORING LOG

Boring No.: **D-28**

Project Name:	Seneca Falls PDI	Date Started: 2-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 2-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 38° F; wind, sun

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.8/4 (cont'd)	4.6 28.2 52.4	N	N Slight	N @ 11.3'		(1.8'-12') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] Soft, moist and wet at 11.2'-11.8'.
12	4/4	734.1 523.3 954.1 571.0 423.1 380.4 270.1	N	Moderate	N @ 12.2' N @ 12.5' N @ 13.9'	D-28(13.9) @ 1345	(12'-12.5') Reddish brown fine to coarse SAND and fine to coarse subangular GRAVEL; little Silt; wet, loose. (12.5'-13.3') Reddish brown very fine to fine SAND; little Silt; trace fine to medium subangular to subround Gravel; moist, dense, moderate solvent-like odor. (13.3'-18') Grayish brown SILT; some Clay; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, medium stiff to soft, moderate solvent-like odor.
16	3.8/4	457.2 553.1 603.7 249.0 266.7 780.4	N	Moderate	N @ 19.3' N @ 19.5' N @ 19.7'	D-28(19.5) @ 1400	(18'-19.8') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, medium stiff, medium plasticity, moderate solvent-like odor.
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-28**

Project Name:	Seneca Falls PDI			Date Started:	2-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	2-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	38° F; wind, sun

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.9/4	272.1	N	Moderate	N @ 20.4' N @ 20.6'		(20'-20.7') Grayish brown very fine to medium SAND and SILT; trace fine to medium subround Gravel; moist, dense. (20.7'-23.9') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, medium stiff, medium plasticity, moderate solvent-like odor.
21		564.1					
22		371.9					
23		660.3			N @ 22.5'		
24		472.1					
		120.3					
25	2.2/4	42.7	N	Slight	N @ 24.1'		Seam of very fine to medium SAND at 24' to 24.3' bgs.
26		87.1					
27		48.7			N @ 25.6'		Seam of very fine to medium SAND at 25.5' to 25.6' bgs.
28	3.8/4	62.8	N	N			(28'-31.8') Grayish brown SILT; some very fine to fine Sand; little to some Clay; trace fine to coarse subangular to subround Gravel; moist, very soft, low to medium plasticity.
29		34.0					
		2.0					
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-28**

Project Name:	Seneca Falls PDI	Date Started:	2-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	38° F; wind, sun

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	0.6	N	N			(28'-31.8') Grayish brown SILT; some very fine to fine Sand; little to some Clay; trace fine to coarse subangular to subround Gravel; moist, very soft, low to medium plasticity.
31		0.0					
32	2.8/ 2.6	737.1 870.1	N	Moderate	N @ 32.4' N @ 32.5'	D-28(32.4) @ 1445	(32'-34.6') Reddish brown and grayish brown CLAY; trace Silt; very soft; high plasticity, moderate solvent-like odor grading to no odor.
33		10.8		N			
34		1.2 1.4 1.7					Seams of SILT; little very fine Sand; wet at 34.1' to 34.3' and 34.5' to 34.6' bgs.
35							Refusal at 34.6' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062702.36
		East Coor:	766312.60

ARCADIS

SOIL BORING LOG

Boring No.: **D-29**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	41° F; windy, overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.5/4	0.0 0.0 0.0 0.1 0.8 1.4	N	N			(0'-0.3') Asphalt. (0.3'-0.5') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.5'-1.8') Dark brown grading to reddish brown SILT; little Clay; trace very fine Sand; moist, stiff. (1.8'-3.5') Reddish brown SILT; some very fine to fine Sand; little grading to trace Clay; trace fine to medium subround to subangular Gravel; moist to dry, stiff, brittle. [TILL]
4							
5	4/4	1.9 17.1 14.3 82.8 45.7 13.8 29.0	N	N			(5.3'-5.5') Fractured Cobble; dry, loose. (5.5'-12.5') Reddish brown SILT and very fine to fine SAND; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]. Soft at 5.5' to 5.7' bgs.
8							
9	4/4	35.0 30.3 11.1 9.7	N	N			
10							

ARCADIS

SOIL BORING LOG

Boring No.: **D-29**

Project Name:	Seneca Falls PDI	Date Started: 3-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 3-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 41° F; windy, overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	12.7	N	N			(5.5'-12.5') Reddish brown SILT and very fine to fine SAND; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]. Soft at 5.5' to 5.7' bgs.
11		14.2					Soft at 11.3' to 11.6' bgs.
12		18.8					
13	3.8/4	48.7	N	N			(12.5'-19.7') Grayish brown SILT; little Clay; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL].
14		59.1					
15		88.8					
16		81.0					
		72.6					
		182.9					
		222.4			N @ 15.5'	D-29(15.5) @ 0850	
17	3.7/4	141.9	N	N	N @ 16.3'		Horizontal fractures with fine to medium SAND and fine GRAVEL; wet, loose at 16.3' and 16.7' bgs.
		170.0					
		116.2			N @ 16.7'		
18		91.7					
		118.2					
19		103.1					
		83.4					
20							

SOIL BORING LOG

Boring No.: **D-29**

Project Name:	Seneca Falls PDI			Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	41° F; windy, overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.6/4	54.3 75.1 55.2 40.2 44.7 31.8 20.6	N	N			(20'-26.2') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, soft, high plasticity.
24	3.6/4	76.0 2.7 0.5 0.2 3.2 13.0 34.5	N	N			(26.2'-27.6') Grayish brown SILT; some very fine to fine Sand; little Clay; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity. [TILL]
28	3/4	63.7 161.8 178.1 316.7	N	N Slight	N @ 29.5' N @ 29.6' N @ 29.7'		(28'-29.2') Grayish brown very fine to medium SAND; some Silt; little fine to coarse subround to subangular Gravel; moist, loose. (29.2'-30.7') Brown fine to medium SAND; trace fine to coarse subround to subangular Gravel; trace Silt; moist, loose.

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SOIL BORING LOG

Boring No.: **D-29**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	41° F; windy, overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3/4 (cont'd)	416.7 316.0 54.1	N	Slight	N @ 30.1'	D-29(30.1) @ 0930	(30.7'-31') Grayish brown SILT; some very fine to fine Sand; little Clay; trace fine to coarse subround to subangular Gravel; moist, soft, medium plasticity. [TILL]
31							
32	3/2.2	61.7 58.1 42.1 29.0 48.0 58.0 35.0	N	N	N @ 33.5'		(32'-33.9') Reddish brown and grayish brown CLAY; trace Silt; moist, very soft, high plasticity. (33.9'-34.8') Interbedded layers of CLAY and clayey SILT; trace very fine Sand; wet, soft, rapid dilatancy at 34.6'-34.8'.
33							
34							
35							Refusal at 34.2' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062693.87
	DUP-05_20201103 collected from D-29 (30.1)	East Coor:	766303.40

SOIL BORING LOG

Boring No.: **D-30**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.7/4	0.7	N	N			(0'-0.3') Asphalt. (0.3'-0.5') Dark brown and olive brown SILT; some very fine to medium Sand; moist, loose. (0.9'-2.4') Brown and olive brown SILT; little Clay; little very fine to fine Sand; trace organics; moist, soft, medium plasticity. (2.4'-12') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
2		1.2					
3		2.1					
4		3.9					
5	4/4	7.1	N	N			
6		36.7			N @ 5.5'		
7		88.2 307.1			N @ 6.4' N @ 6.5' N @ 6.6'		
8		550.7 390.4 589.2 386.7			N @ 7.5'		
9	4/4	898.7 713.1 570.2	N	Moderate	N @ 8.3' N @ 8.4' N @ 8.5'	D-30(8.4) @ 1105	
10		636.4 762.8			N @ 10'		

ARCADIS

SOIL BORING LOG

Boring No.: **D-30**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	544.0 443.1 183.8 486.1	N	Moderate	N @ 11.5'		(2.4'-12') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]. Becomes soft at 10.8' bgs.
12	3.8/4	315.3 160.4 526.1 622.3 667.7 923.4 723.8 1,465 429.1	N	Moderate	N @ 13' N @ 14.5' N @ 14.9' N @ 15' N @ 15.4' N @ 15.5' N @ 15.6'	D-30(15.5) @ 1115	(12'-14.5') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, soft. Becomes dense at 13' bgs. (14.5'-19.7) Grayish brown SILT; some very fine to fine Sand; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft. [TILL].
16	3.7/4	615.0 571.0 1,033 608.0 363.0 601.0 590.0	N	Moderate	N @ 17.4' N @ 17.5' N @ 17.6'	D-30(17.5) @ 1135	Becomes some Clay; medium plasticity.
20							

SOIL BORING LOG

Boring No.: **D-30**

Project Name:	Seneca Falls PDI	Date Started: 3-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 3-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.5/4	667.0 775.0 547.0 639.0 177.1 200.3 222.0 54.1	N	Moderate	N @ 20.8'		(20'-26') Grayish brown SILT; some very fine to fine Sand; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft. [TILL] Little fine Gravel; wet at 20.5' to 21' bgs.
24	3.7/4	285.3 645.7 597.0 370.0 114.4 20.3 3.0	N	Moderate Slight	N @ 24.9' N @ 25.1' N @ 25.3'		(26'-27.7') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
28	3.2/4	2.8 1.2 0.9 1.2	N	N			(28'-33.2') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity. [TILL]
30							

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SOIL BORING LOG

Boring No.: **D-30**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.2/4 (cont'd)	0.3 0.1	N	N			(28'-33.2') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity. [TILL]
32	2.2/ 1.7	7.9 0.9 1.4 0.5 0.4	N	N	N @ 33.4' N @ 33.5'		(32.2'-32.6') Grayish brown CLAY; trace Silt; moist, very soft. (32.6'-33.7') Grayish brown CLAY interbedded with SILT; moist and wet, very soft, rapid dilatancy at 33.3' to 33.5' bgs.
34							Refusal at 33.7' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062679.11
	MS/MSD collected from D-30 (15.5).	East Coor:	766316.45

SOIL BORING LOG

Boring No.: **D-31**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.8/4	NM 0.0 0.3 0.0 2.4	N	N			(0'-0.3') Asphalt. (0.3'-0.8') Olive brown very fine to fine SAND and SILT; dry, loose. (0.8'-1.6') Dark brown to olive brown SILT; some very fine Sand; trace Organics; moist, stiff. (1.6'-14.7') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
5	3.8/4	1.6 2.2 4.8 5.0 5.0 3.6 4.8	N	N			
9	1.6/4	3.0 3.5 2.8	N	N			Black root traces; medium dense at 8' to 8.3' bgs.

SOIL BORING LOG

Boring No.: **D-31**

Project Name:	Seneca Falls PDI	Date Started: 3-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 3-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	1.6/4		N	N			(1.6'-14.7') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11							
12	2.7/4	7.6	N	N			Becomes soft to very soft.
13		3.7					
14		10.1			N @ 14.1'		Pocket of olive brown fine to coarse SAND; moist, loose, at 14.1' to 14.2' bgs.
15		15.1					
16	3.1/4	5.6	N	N	N @ 16.5'		Seam of very fine to fine SAND at 16.5' bgs.
17		32.3					
18		47.1					(17.7'-22') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
19		59.0 95.5 73.4			N @ 18.4'	D-31(18.4) @ 1350	
20		17.8					

SOIL BORING LOG

Boring No.: **D-31**

Project Name:	Seneca Falls PDI			Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.1/4	15.7 2.9 1.4 13.5 2.2 0.0 0.0	N	N			(17.7'-22') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] (22'-30.4') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
24	3/4	11.4 0.4 0.3 0.2 0.0	N	N	N @ 26.9'		Grades to little very fine to fine Sand at 24'-27'. Little Gravel at 26.9' bgs.
28	3.8/4	0.9 0.4 0.1	N	N	N @ 28.9'		Vertical seam of very fine to fine SAND and SILT at 28' to 28.9' bgs.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-31**

Project Name:	Seneca Falls PDI	Date Started:	3-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	3-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	40° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	0.0 0.0 0.0	N	N	N @ 31.2'		(22'-30.4') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL] (30.4'-31.6') Grayish brown very fine to medium SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very soft. (31.6'-31.8') Grayish brown SILT and CLAY; trace very fine to Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
31							
32	2.3/ 1.7	0.0 0.0 4.6 7.1 0.9	N	N	N @ 33.2' N @ 33.7		(32'-32.6') Reddish brown and grayish brown CLAY; trace Silt; moist, very soft, high plasticity. (32.6'-34.3') Grayish brown CLAY interbedded with SILT; trace very fine Sand; layers of sand and silt are wet. Rapid dilatancy at 33' to 33.3' and 33.6' to 34.2' bgs. Weathered rock in sample shoe.
33							
34							Refusal at 33.7' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062663.24
		East Coor:	766327.13

ARCADIS

SOIL BORING LOG

Boring No.: **D-32**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	46° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	4/4	0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.6') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.6'-1.9') Dark brown to olive brown SILT; little very fine to fine Sand; trace Clay; moist, stiff.
2		0.0					
3		0.0					(1.9'-4') Reddish brown SILT; little Clay; trace to little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff, medium plasticity. [TILL]
4		0.0					
5	2.7/4	0.0	N	N			(4'-13.5') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL] Fractured cobbles at 4.3' to 4.4' and 6.2' to 6.3' bgs.
6		0.0					
7		0.0					
8		0.0					
9	2.4/4	0.0	N	N			
10		0.0					

SOIL BORING LOG

Boring No.: **D-32**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	46° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	2.4/4 (cont'd)	0.0 0.0	N	N			(4'-13.5') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
11							
12	3.3/4	0.7 5.3 48.1 43.6 86.8 50.1 28.8	N	N	N @ 14.5'	D-32(14.5) @ 0850	Becoming soft at 12' bgs. (13.5'-21.8') Grayish brown SILT and very fine to fine SAND; trace Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
13							
14							
15							
16	3.9/4	27.1 56.2 56.4 86.2 348.1 94.8 66.1	N	N Slight	N@ 18.4' N@ 18.5' N@ 18.6'	D-32(18.5) @ 0905	Small seam of very fine to medium SAND and fine GRAVEL at 18.5' bgs. Becoming little Clay starting at 18.6' bgs.
17							
18							
19							
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-32**

Project Name:	Seneca Falls PDI			Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	46° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.7/4	187.4 129.1 95.1 64.0 24.8 16.0 5.2	N	N	N @ 20.5'		(13.5'-21.8') Grayish brown SILT and very fine to fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL] (21.8'-27.5') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, medium stiff, high plasticity. [TILL]
24	3.5/4	0.0 0.0 0.0 0.0 0.0 0.0 0.0	N	N			Becoming soft at 24' bgs.
28	3.1/3	1.2 3.2 6.6 3.4	N	N			(28'-30.4') Reddish brown to grayish brown CLAY; trace Silt; moist, very soft, high plasticity.

SOIL BORING LOG

Boring No.: **D-32**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	46° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.1/3 (cont'd)	8.0 9.4	N	N	N @ 30.4' N @ 30.8'		(30.4'-31') Reddish brown SILT; trace very fine Sand; trace Clay; wet, soft, slow dilatancy. Layers of SILT and CLAY at 30.6' to 30.8' and 30.9' to 31' bgs. Bedrock in sample shoe.
31							Refusal at 31' bgs.
32							
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062678.26
		East Coor:	766370.33

ARCADIS

SOIL BORING LOG

Boring No.: **D-33**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.6/4	1.3 0.0 0.0 0.0 0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-2.0') Black SOOT and SLAG; wet and moist, loose. [FILL] (2.0'-2.6') Dark olive brown SILT; little Clay; little very fine to fine Sand; trace fine to coarse Gravel; moist, stiff.
2							
3							
4	2.7/4	0.7 0.0 0.0 0.0	N	N			(4'-4.6') Brown SILT; little Clay; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; soft; moist. (4.6'-13.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
5							
6							
7							
8	4/4	0.5 1.7 1.4 1.3	N	N			Becoming very dense at 8' bgs.
9							
10							

ARCADIS

SOIL BORING LOG

Boring No.: **D-33**

Project Name:	Seneca Falls PDI			Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	1.3	N	N			(4.6'-13.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]
11		1.9					
		1.5					
12		2.0					
	1.9/4	3.9	N	N			Becoming medium dense to dense at 12' bgs.
13		4.5					
		6.2					
14							
15							
16	3.7/4	6.2	N	N			(16'-19.7') Reddish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subround to subangular Gravel; moist, stiff, medium plasticity. [TILL]
		9.3					
17		18.8					
		10.4					
18		10.6					
		12.4					
19		12.1					
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-33**

Project Name:	Seneca Falls PDI			Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20							(20'-30') Reddish brown grading to grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
		120.1					
21		51.9					
		137.3					
22	3.7/4	157.7	N	N			
		142.1					
23		133.1					
		267.4			N @ 23.4'		
		270.6			N @ 23.5'	D-33(23.5)	
24		217.9			N @ 23.6'	@ 1130	
		77.8					Becoming medium dense to soft at 24'-25.8'.
25		261.7			N @ 24.8'	D-33(24.8)	
		141.4				@ 1140	
		238.7			N @ 25.5'		
26	1.8/4		N	N			
27							
28							
		167.4					
		152.1					
29	3.6/4	173.8	N	N			
		103.7					
30		76.4					

ARCADIS

SOIL BORING LOG

Boring No.: **D-33**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.6/4 cont'd	133.4 70.1 42.2	N	N	N @ 31.6'		(30'-31.3) Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL] (31.3'-31.6') Fractured Cobble and dark gray fine Sand; layer of very fine SAND and SILT at 31.5' to 31.6' bgs.
31							
32	1/1	12.9 1.7	N	N			(32'-33') Brown fine to coarse SAND; some fine to coarse subangular Gravel; moist to dry, loose. [Weathered Rock]
33							Refusal at 33' bgs.
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062557.70
		East Coor:	765504.51

ARCADIS

SOIL BORING LOG

Boring No.: **D-34**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.5/4	7.2	N	N	N @ 1.9'		(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-2.2') Black SLAG and SOOT; moist to wet, loose.
2		2.0					
3		149.0					Moderate petroleum-like odor from 1.6' to 2.2' bgs.
4		0.9					(2.2'-4.9') Dark brown SILT; trace very fine to fine Sand; trace Clay; moist, stiff.
5	3.6/4	11.5	N	N			(4.9'-11') Brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist to dry, dense. [TILL]
6		6.1					
7		15.9					
8		5.3					
9	4/4	3.7	N	N			
10		2.2					
		9.2					
		11.1					
		2.7					
		1.6					

ARCADIS

SOIL BORING LOG

Boring No.: **D-34**

Project Name:	Seneca Falls PDI			Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	4.7	N	N			(4.9'-11') Brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; moist to dry, dense. [TILL]
11		13.4					Color changes to reddish brown at 11' bgs.
12		5.2					
		5.9					
13	3.6/4	12.6	N	N			(12'-27.2') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
		11.0					
14		2.1					
		7.8					
15		5.2					
		22.6					
16		26.7					
17	3.6/4	29.8	N	N	N @ 18'		Some Clay from 16.8' to 18.5' bgs.
		16.3					
18		15.7					
		31.9					
19		22.7					
		28.4					
20		9.2					

ARCADIS

SOIL BORING LOG

Boring No.: **D-34**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20		26.8					(12'-27.2') Reddish brown very fine to fine SAND; little Silt; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
		26.7			N @ 20.3'		
21		48.9					Color changes to grayish brown at 20.8'.
		36.2					
22	2.9/4		N	N			
		56.2			N @ 22.3'		
		67.1					
23		121.0			N @ 22.8'		
24		235.7					
		263.8		N			
25		395.1					
26	3.2/4	421.0	N	Slight	N @ 26'	D-34(26) @ 1355	Small seam of very fine Sand at 26'.
		342.8			N @ 26.9'		
27		517.1			N @ 27.1'	D-34(27) @ 1400	
28		247.3					(28'-28.6') Grayish brown very fine to fine SAND; wet, loose.
		652.4			N @ 28.4'		
		308.1			N @ 28.5'	D-34(28.5) @ 1410	(28.6'-30.8') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
29	3.9/4		N	Slight			
		459.1					
30		454.0					

ARCADIS

SOIL BORING LOG

Boring No.: **D-34**

Project Name:	Seneca Falls PDI	Date Started:	4-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	4-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	50° F; overcast

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.9/4	490.1 132.8 638.7 367.1	N	N	N @ 31.4' N @ 31.6'	D-34(31.5) @ 1415	(28.6'-30.8') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL] (30.8'-31.3') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity. (31.3'-31.5') Weathered Rock. (31.5'-32') Light grayish brown SILT; little very fine Sand; moist, soft.
31							
32							Refusal at 32' bgs.
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062574.51
		East Coor:	765479.34

SOIL BORING LOG

Boring No.: **D-35**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.4/4	2.4	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-4.5') Black SLAG and SOOT; moist to wet, loose, slight petroleum-like odor. [FILL]
2		3.4					
3		0.0					
4							Wet, moderate petroleum-like odor from 4' to 4.5' bgs.
5	3.6/4	161.8	N	Moderate Petroleum Odor	P @ 4.3' (slightly pink ball)	D-35(4.3) @ 0900 Slag	(4.5'-5') Dark brown SILT; little very fine Sand; trace Clay; moist, stiff. (5'-16.5') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
6		61.2					
7		8.5		N			
8		20.4					
9		26.7					
10		15.9					
		25.8					
		7.1					
	2.7/4	74.3	N	N			
		21.8					
		9.9					
		8.1					

SOIL BORING LOG

Boring No.: **D-35**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare	
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare	
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	2.7/4 (cont'd)	9.4	N	N			(5'-16.5') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
11							
12	2.7/4	8.6 14.8 11.0 14.8 11.0	N	N			
13							
14							
15							
16	3.2/4	29.8 30.5 26.1 20.1 28.9 28.7	N	N			(16.5'-19.2') Reddish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff, medium plasticity. [TILL] (19.2'-22') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
17							
18							
19							
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-35**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.4/4	17.7 7.6 14.6 30.9 15.3	N	N			(19.2'-22') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL] (22'-22.4') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
24	0/4		NA	NA			No Recovery.
28	0.9/4	27.0 38.1 149.0	N	N	N @ 28.6' N @ 28.7' N @ 28.8'	D-35(28.7) @ 0930	(28'-28.9') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, soft. [TILL]
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-35**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	0.9/4		N	N			Interval had 0.9/4 foot recovery; No Recovery from 28.9' to 32' bgs.
31							
32	2.2/4	105.0 168.1 87.0 108.0	N	N	N @ 32.7' N @ 33' N @ 34.1'	D-35(33) @ 1000	(32'-32.6') Brownish gray CLAY; some Silt; trace very fine Sand; moist, very soft. (32.6'-33.1') Reddish brown SILT and CLAY; trace fine to medium subangular to subround Gravel; little orange discoloration. (33.1'-34.2') Olive brown Weathered Rock; medium dense; moist to wet.
33							
34							
35							
36	0.6/ 0.9	88.1 17.0	N	N	N @ 36.4'		(36'-36.7') Olive brown to brown SILT and very fine SAND; some weathered Rock; moist to wet, dense.
37							Refusal at 36.9' bgs.
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062553.45
		East Coor:	765447.88

ARCADIS

SOIL BORING LOG

Boring No.: **D-36**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	1.9/4	7.1	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-1.9') Brown and black SLAG/SOOT/ASH; moist to wet, loose. [FILL]
2		0.1					
3		0.4					
4							
5	3.6/4	0.0	N	N			(4.5'-5') Black fine to medium angular to subround GRAVEL and SILT; moist, stiff. [FILL]
6		0.0					(5'-6.5') Reddish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL]
7		0.5					
8		0.8					(6.5'-7.6') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
9	0/4	1.4	NA	NA			No Recovery.
10		1.2					

ARCADIS

SOIL BORING LOG

Boring No.: **D-36**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	0/4		NA	NA			No Recovery.
12	1.9/4	2.5 1.2 6.3 9.2	N	N			(12'-13.9') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
16	0/4		NA	NA			No Recovery. Very soft drilling conditions.
20							

SOIL BORING LOG

Boring No.: **D-36**

Project Name:	Seneca Falls PDI			Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	0/4		NA	NA			No Recovery. Very soft drilling conditions.
21							
22							
23							
24	1.6/4	7.2 7.1 6.7 8.3	N	N			(24'-25.6') Grayish brown very fine to fine SAND and SILT; little Clay; trace fine to coarse Gravel; moist, soft. [TILL]
25							
26							
27							
28	2.2/4	4.1 5.1	N	N	N @ 28' N @ 30'		(29.1'-32.3') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
29							
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-36**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.2/4 (cont'd)	4.3	N	N			(29.1'-32.3') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
31							
32	1.2/ 3.2	17.9 42.1 141.2	N	N	N @ 32.4' N @ 32.8'	D-36(32.8) @ 1150	(32.3'-32.8') Reddish brown SILT; trace very fine Sand; trace Clay; wet, medium stiff, slow dilatancy. (32.8'-33.2') Weathered Rock.
33							
34							
35							
36							Refusal at 35.2' bgs.
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062535.01
		East Coor:	765450.62

SOIL BORING LOG

Boring No.: **D-37**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.2/4	1.2 0.7 0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-5.1') Brown and black SLAG and SOOT; moist, loose. [FILL] Piece of wood at 1.9' bgs.
2							
3							
4							
5	2.4/4	0.8 1.1 0.0 0.0	N	N			Wet from 4.7' to 5.1' bgs. (5.1'-6.4') Dark grayish brown (discolored) SILT and CLAY; moist, soft, high plasticity grades to reddish brown SILT and very fine SAND; trace fine Gravel; moist, dense. [TILL]
6							
7							
8	2.6/4	7.3 9.4 15.2 10.6	N	N			(8'-14.3') Grayish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, dense. [TILL]
9							
10							

SOIL BORING LOG

Boring No.: **D-37**

Project Name:	Seneca Falls PDI			Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	2.6/4	4.7	N	N			(8'-14.3') Grayish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, dense. [TILL]
11							
12	3.1/4	6.5	N	N			
13		7.4					
14		9.9					
15		10.7					(14.3'-22.3) Light reddish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, dense. [TILL]
16		10.8					
17	3.8/4	7.5	N	N			
18		9.4					
19		9.1					
20		11.7					
		15.6					Some gray mottling; trace Roots/Organics from 18.2' to 19.8' bgs.
		30.7			N @ 19'		
		8.1					

ARCADIS

SOIL BORING LOG

Boring No.: **D-37**

Project Name:	Seneca Falls PDI	Date Started: 5-Nov-20	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 5-Nov-20	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: 60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.6/4	16.9 19.4 47.1 11.9 35.5	N	N	N @ 21.5'		(14.3'-22.3) Light reddish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, dense. [TILL] (22.3'-30.4') Grayish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, dense. [TILL]
24	2.9/4	26.3 35.5 12.5 42.1 93.3 152.1	N	N	N @ 25.5' N @ 26.9'	D-37(26.9) @ 1325	Becomes soft at 24' bgs. Wet from 25' to 25.4' bgs.
28	4/4	366.7 763.4 187.4 273.1 702.4	N	Moderate	N @ 28.2' N @ 30' N @ 30.1'	D-37(28.3) @ 1345	

ARCADIS

SOIL BORING LOG

Boring No.: **D-37**

Project Name:	Seneca Falls PDI	Date Started:	5-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	5-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60°-70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	4/4 (cont'd)	605.4 607.9 583.4 869.2	N	Moderate	N @ 31.5' N@ 31.7'	D-37(31.7) @ 1350	(22.3'-30.4') Grayish brown very fine to fine SAND and SILT; little Clay; trace fine subangular Gravel; moist, soft. [TILL] (30.4'-31.4') Grayish brown CLAY; little Silt; trace very fine Sand; moist, soft, high plasticity. (31.4'-32.6') Reddish orange and brown SILT; little very fine Sand; moist to wet, soft.
31							
32	2.2/ 2.2	1,357 678.1 349.1 906.4 729.1	N	Y	N @ 32.3' N @ 33.7'	D-37(32.3) @1420 D-37(33.7) @ 1425	(32.6'-34.2') Olive brown weathered Rock.
33							
34							
35							Refusal at 34.2' bgs.
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062533.04
	DUP-06_20201105 collected from D-37 (26.9)	East Coor:	765432.76
	MS/MSD collected from D-37 (33.7)		

ARCADIS

SOIL BORING LOG

Boring No.: **D-38**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	2.1	N	N		D-38(1.9-2.1) @ 0830	(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-1.9') Black SLAG; white coarse SAND at 1.5'-1.6'; moist, loose. [FILL]
2		0.6					(1.9'-3.3') Dark brown grading to brown SILT; little Clay; trace to little very fine Sand; trace fine angular to subround Gravel; stiff to medium stiff; moist.
3		0.0					
4		0.0					
5	4/4	1.2	N	N			(4'-14') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
6		0.3					
7		0.6					
8		0.1					
9	3.8/4	0.0	N	N			
10		0.0					
		0.0					
		0.0					
		2.7					
		3.5					
		4.1					
		4.5					

SOIL BORING LOG

Boring No.: **D-38**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare	
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare	
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny	

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.8/4 (cont'd)	9.4	N	N			(4'-14') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
11		10.3					
12		4.1					Becomes medium dense.
13	3.3/4	12.1	N	N			
14		14.5					
15		9.2					
16		22.5					(14'-24.8') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, soft. [TILL]
17	2.6/4	18.8	N	N			
18		34.4					
19		26.7			N @ 17.5'		
20		99.6			N @ 18'		Becomes dense at 20' bgs.
		202.3					
		307.5					
		197.4					

SOIL BORING LOG

Boring No.: **D-38**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	1.9/4	444.7 359.2 298.7 253.1	N	N	N @ 20.5'		(14'-24.8') Grayish brown very fine to fine SAND and SILT; trace fine to coarse subround to subangular Gravel; trace Clay; moist, dense. [TILL]
21							
22							
23							
24	3.8/4	105.7 348.2 456.7 907.2 1,335 500.1 15K+ 3,980	N Y @ 27.2'	Y	P @ 27.2'	D-38(27.2) @ 0935	(24.8'-25.2') Dark grayish brown coarse to medium SAND; wet, loose. (25.2'-26.5') Brown fine SAND; wet, loose. (26.5'-27.2') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL] A seam of fine to medium SAND; wet, loose, trace sheen, trace pinhead size globules at 27.2' to 27.3' bgs.
25							
26							
27							
28	3.8/4	15K+ 15K+ 15K+ 15K+	N	Y	P @ 28.5' P @ 29.5' P @ 30'	D-38(28.5) @ 0905 D-38(29) @ 0910 D-38(29.5) @0915 D-38(30) @ 0920	(28'-30.5') Brown very fine to medium SAND; wet, loose, strong solvent-like odor.
29							
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-38**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.8/4 (cont'd)	15K+ 15K+ 15K+ 4,895	N	Y	P @ 30.5' N @ 31' N @ 31.5'	D-38(30.5) @ 0925 D-38(31-31.5) @ 0930	(28'-30.5') Brown very fine to medium SAND; wet, loose, strong solvent-like odor. (30.5'-32') Brown SILT and very fine SAND; stiff; wet. Interbedded with brown seams of CLAY and SILT; moist, stiff, medium plasticity.
31							
32	1.6/ 1.6	4,682 597.0 483.1	N	Y	N @ 33.5'	D-38(33.5) @ 1010	(32'-32.8') Brown very fine to medium SAND; trace Silt; wet, loose. (32.8'-33.6') Reddish orange and brown SILT and very fine SAND; wet, medium stiff, slow dilatancy. Becoming moist at 33.3'-33.6'.
33							
34							Refusal at 33.6' bgs. (**Note:** At 27.2' bgs, a reading of 15K+ was observed on the PID from a 1/2" thick seam of fine to medium SAND. Trace dark brown oil-like material was observed in sand; trace pinhead size globules.)
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062551.40
	DUP-07_20201106 collected from D-38 (28.5)	East Coor:	765391.79
	15K+ = greater than 15,000 ppm on photoionization detector (PID)		

ARCADIS

SOIL BORING LOG

Boring No.: **D-39**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	0.8	N	N		D-39(1.9-2.4) @ 1230	(0'-0.3') Asphalt. (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.9'-1.9') Black SLAG; moist to wet, loose. [FILL]
2		0.9					(1.9'-4.9') Dark brown grading to olive brown SILT; little Clay; trace very fine to fine Sand; moist, stiff to medium stiff.
3		0.4					
4		0.0					
5	4/4	0.2	N	N			Becoming soft at 4' bgs. (4.9'-19.3') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
6		0.7					
7		0.4					
8		0.1					
9	4/4	1.5	N	N			
10		1.3					
		1.1					
		5.8					
		6.7					
		8.2					
		7.4					

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SOIL BORING LOG

Boring No.: **D-39**

Project Name:	Seneca Falls PDI			Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	4/4 (cont'd)	6.8	N	N			(4.9'-19.3') Reddish brown very fine to fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
11		5.8					
12		3.9					
13	3.3/4	7.2	N	N			
14		7.6					
15		15.5					
16		12.9					
17	3.8/4	16.9	N	N			
18		7.5					
19		5.7					
20		9.1					
		9.0					
		11.2					
		12.1					
		34.7					
		21.9					
		56.9			N @ 19.4'		(19.3'-19.5') Reddish brown fine to medium SAND; trace Silt; wet, loose.

ARCADIS

SOIL BORING LOG

Boring No.: **D-39**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	3.3/4	46.2	N	N			(20'-20.9') Reddish brown very fine to fine SAND; little Silt; wet, loose.
21		426.0			N @ 21.2'		(20.9'-21.7') Reddish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
		1,012			N @ 21.6'		(21.7'-24') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
22		3,135	N	Y	N @ 22'	D-39(22) @ 1120	Seam of fine SAND; moist, loose at 22.2' to 22.5' bgs.
		6,374			P @ 22.3'	D-39(22.3) @ 1130	
		1,912			N @ 22.5'	D-39(22.5) @ 1135	
23		846.1					
24	3.5/4	450.1	N	Moderate			(24'-28.2') Grayish brown SILT; some very fine to fine Sand; trace Clay; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL]
		416.4					
25		655.3					
		345.1					
26		372.0					
		309.0					
27		743.1			N @ 27.4'		
28	3.6/4	3,101	Y	Y	P @ 28.2'	D-39(28.2) @ 1205	(28.2'-29.6') Light brown very fine to fine SAND; some Silt; trace fine to coarse angular Gravel; wet, very loose. Trace dark brown pinhead size DNAPL globules observed. (see Notes)
		2,810					
29		1,841					
		1,790				D-39(29.6) @ 1210	
30							

SOIL BORING LOG

Boring No.: **D-39**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	70° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	3.6/4	1,792 2,700 3,019	N	Y	N @ 30.5' N @ 31.2' N@ 31.5'	D-39(31.2) @ 1215	(20.9'-30.6') Grayish brown SILT; some very fine to fine Sand; trace Clay; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL] (30.6'-31.1') Grayish and reddish brown CLAY; trace Silt; moist, soft, high plasticity. (31.1'-32') Grayish brown grading to brown SILT and very fine SAND; wet to moist, loose. Seam of CLAY at 31.3' bgs.
31							
32							Refusal at 32' bgs. (**Note:** DNAPL is trace dark brown pinhead size globules. Globules were observed in a very wet and loose sand and silt unit.)
33							
34							
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062571.10
		East Coor:	765390.05

ARCADIS

SOIL BORING LOG

Boring No.: **D-40**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	72° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.9/4	0.0 0.0 0.0 0.0	N	N			(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-1.4') Black SLAG; moist, loose. [FILL] (1.4'-2') Dark olive to olive brown SILT; little Clay; trace very fine Sand; moist, stiff, high plasticity. (2'-20.8') Reddish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
2							
3							
4							
5	4/4	1.6 0.2 1.0 1.3 1.7 1.3 1.3	N	N			Becoming some Silt at 4' bgs.
6							
7							
8							
9	3.7/4	3.1 2.1 1.6	N	N			Becoming reddish brown at 8' bgs.
10							

SOIL BORING LOG

Boring No.: **D-40**

Project Name:	Seneca Falls PDI			Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	72° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
10	3.7/4 (cont'd)	2.1	N	N			(2'-20.8') Reddish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
		0.3					
11		1.0					
		0.9					
12	3.9/4	1.7	N	N			
		1.4					
13		2.7					
		2.8					
14		8.2					
		27.9					
15		10.0					
16	2.6/4	0.0	N	N			Becoming soft at 16' bgs.
		1.2					
17		0.7					
							Layer of olive brown fine to coarse SAND and fine to coarse subangular to subround GRAVEL; little Silt; trace Clay; wet, soft at 18.4' to 18.6' bgs
18		0.8					
		1.1					
19							
20							

ARCADIS

SOIL BORING LOG

Boring No.: **D-40**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	72° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
20	2.6/4	71.7 153.7 345.9 133.6 214.1 --	N	N Moderate --	N @ 21.5'	D-40(21.5) @ 1335	(2'-20.8') Reddish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, soft. [TILL] (20.8'-22.6') Grayish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, medium stiff to soft. [TILL]
24	2.2/4	110.4 102.3 68.9 34.3	N	N			
28	2.7/4	30.6 14.0 5.2 2.7	N	N			(28'-32.2') Grayish brown SILT; some very fine to fine Sand; little Clay; moist, very soft.
30							

ARCADIS

SOIL BORING LOG

Boring No.: **D-40**

Project Name:	Seneca Falls PDI	Date Started:	6-Nov-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	6-Nov-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	72° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
30	2.7/4 (cont'd)	9.7	N	N			(28'-32.2') Grayish brown SILT; some very fine to fine Sand; little Clay; moist, very soft.
31							
32	1.4/ 1.6	38.9 65.4 88.2	N	N	N @ 32.2' N @ 32.5' N @ 33.3'	D-40(33.3) @ 1400	(32.2'-32.8') Grayish to reddish brown SILT; some very fine Sand; wet to moist, medium dense. (32.8'-33.4') Olive brown weathered Rock; moist, loose.
33							
34							Refusal at 33.6' bgs.
35							
36							
37							
38							
39							
40							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
		North Coor:	1062558.80
		East Coor:	765371.45

ARCADIS

SOIL BORING LOG

Boring No.: **D-41**

Project Name:	Seneca Falls PDI	Date Started: 15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.3/4	0.0	N	N		NA		(0'-0.5') Brown Topsoil grading to gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		0.1						(0.5'-1.4') Brown and dark brown WOOD fragments; buried Topsoil; medium to coarse angular Gravel; dry to moist, loose. [FILL]. Concrete debris at 1.2'-1.4' bgs.
		0.5						(1.4'-2.5') Black SLAG/COAL/SOOT; wet, loose. [FILL]
2		1.3						
		1.7						(2.5'-3.3') Dark olive brown SILT; little Clay; trace to little very fine to fine Sand; trace Organics; moist, stiff, medium plasticity.
3		1.2						
		0.9						
4	3.8/4	0.0	N	N		NA		(4'-4.2') Fractured white COBBLE; dry, loose.
		0.0						(4.2'-5') Dark olive brown SILT; little Clay; trace to little very fine to fine Sand; trace Organics; moist, stiff, medium plasticity.
5		0.0						(5'-19.8') Brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
		0.0						
6		0.0						
		0.0						
7		0.0						
		0.0						
8	3.3/4	0.0	N	N		NA		Very light pink horizontal banding at 8'-8.4' bgs.
		0.0						
9		0.0						
		0.0						
10		3.1						

SOIL BORING LOG

Boring No.: **D-41**

Project Name:	Seneca Falls PDI	Date Started: 15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.3/4 (cont'd)	9.4 8.1	N	N		NA		(5'-19.8') Brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	3/4	12.5 7.9 3.0 1.9 5.9 6.7	N	N		NA		
16	3.8/4	8.7 7.8 11.3 27.2 16.6 16.5 16.6	N	N	N @ 17' N @ 18' N @ 19' N @ 19.8'			
20								

SOIL BORING LOG

Boring No.: **D-41**

Project Name:	Seneca Falls PDI	Date Started: 15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY	Weather Conditions:	Rain; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.8/4 (cont'd)	66.7	N	N				(20'-29.4') Grayish brown very fine SAND and SILT; little Clay; little fine to subangular to subround Gravel; moist, stiff, medium plasticity. [TILL]
21		25.1			N @ 21'			
		68.1						
22		72.4						
		92.9						
23		30.0			N @ 22.9'			
		96.5			N @ 23.7'		D-41(23-23.8) @ 0930	
24	2.3/4	213	N	N	N @ 24.5'			Wet at 25'-25.8' bgs.
		300					D-41(25) @ 0945	
25		208			N @ 25.6'			
		171						
26		179						
					N @ 27'			
27								
28	3.4/4	329	N	N	N @ 29'			(29.4'-31') Grayish and olive brown interbedded layers of SILT and CLAY with SILT and very fine SAND; moist and wet, stiff to soft, medium to high plasticity.
		229						
29		314						
		160						
30								

SOIL BORING LOG

Boring No.: **D-41**

Project Name:	Seneca Falls PDI				Date Started:	15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045				Date Completed:	15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY						Weather Conditions: Rain; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.4/4	291 475 30.1	N	N	N @ 30.4' N @ 31.2' N @ 31.9'	P (Blue) @ 30.2',30.6'	D-41(31) @ 1020 D-41(31.8) @ 1025	(29.4'-31') Grayish and olive brown interbedded layers of SILT and CLAY with SILT and very fine SAND; moist and wet, stiff to soft, medium to high plasticity. (31'-32') Weathered Rock; moist, loose.
31								
32								Refusal at 32' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
	Duplicate sample DUP-01-20210615 collected at D-41(23-23.8).	North Coor:	1062591.942
	UV/DyeLiF Scanning conducted at 16'-32' bgs.	East Coor:	765397.092

ARCADIS

SOIL BORING LOG

Boring No.: **D-42**

Project Name:	Seneca Falls PDI	Date Started: 15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY	Weather Conditions:	Rain; 65° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1 2 3 4	2.9/4	0.7 0.9 1.2 4.9 0.3	N	N		NA		(0'-0.3') Asphalt (0.3'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. (0.9'-2.7') Black SOOT/CREOSOTE/COAL; moist, loose. [FILL] Wood fragment at 2.1'-2.3' bgs. (2.7'-2.9') Very light yellow Brick-like material; dry, loose.
5 6 7 8	3.7/4	0.0 0.0 0.0 0.0 0.0 0.0 0.0	N	N	N @ 4'	NA	N @ 7'	(4'-4.3') Very light yellow Brick-like material; dry, loose. (4.3'-5.4') Dark olive brown SILT and CLAY; little very fine Sand; trace Organics; moist, stiff, medium plasticity. (5.4'-20') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; moist, dense. [TILL]
9 10	4/4	0.1 3.3 13.2 7.1 7.7	N	N		NA		

SOIL BORING LOG

Boring No.: **D-42**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 15-Jun-21 Logger: Ryan Clare
Date Completed: 15-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; 65° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	4/4 (cont'd)	13.1 14.8 4.7	N	N		NA		(5.4'-20') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; moist, dense. [TILL]
12	4/4	23.2 15.1 12.7 13.1 11.2 20.9 10.1 11.2	N	N		NA		Consistency changes to very dense.
16	3.8/4	14.5 7.6 15.2 29.4 26.7 17.9 25.4	N	N	N @ 17.3' N @ 18.9' N @ 19.5'	P (Light Orange) @ 17.25' P (Light Orange) @ 18.8' P (Light Orange) @ 19.5'		
20								

SOIL BORING LOG

Boring No.: **D-42**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 15-Jun-21 Logger: Ryan Clare
Date Completed: 15-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; 65° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.8/4 (cont'd)	142	N	Y (slight)	N @ 21.2'	P (Light Orange) @ 23.5'	D-42(23.5) @ 1150	(20'-24') Grayish brown SILT and very fine to fine SAND; little Clay; little to trace subangular to subround Gravel; moist, very dense to dense. [TILL]
21		202						
22		114			N @ 22.1'			
23		432			N @ 23'			
24		749			N @ 23.5'			
		567			N @ 23.7'			
		941						
25	2.7/4	5,687	N	Y (slight to moderate)	N @ 24.5'	P (Light Orange) @ 25.7'	D-42(24.5) @ 1200	(24'-27.7') Grayish brown SILT and very fine to fine SAND; some Clay; little to trace subangular to subround Gravel; moist, very dense to dense, medium plasticity. [TILL]
26		312			N @ 25.1'			
27		881			N @ 26'			
		1,164			N @ 26.7'			
		523						
28	3.6/4	780	N	Y (slight)	N @ 28.5'			(28'-31.3') Grayish brown SILT and CLAY; little Silt; moist, stiff grading to soft, high plasticity. [TILL grading to CLAY]
29		793			N @ 29.2'			
		241						
30		557						

ARCADIS

SOIL BORING LOG

Boring No.: **D-42**

Project Name:	Seneca Falls PDI			Date Started:	15-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	15-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Rain; 65° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	885	N	Y (slight)	N @ 30.1'			(28'-31.3') Grayish brown SILT and CLAY; little Silt; moist, stiff grading to soft, high plasticity. [TILL grading to CLAY]
31		758						
		1,479			N @ 31.5'		D-42(31.5) @ 1220	(31.3'-31.6') Grayish brown and olive brown SILT; trace Clay; trace very fine Sand; wet, medium stiff.
32	1.5/ 1.8	987	N	N	N @ 32.3'			(32'-33.5') Olive brown and olive gray weathered Rock; moist, loose.
33		237			N @ 33.1'			Wet at 33'-33.2' bgs.
34								Refusal at 33.8' bgs.
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
	UV/DyeLiF Scanning conducted at 16'-33.8' bgs	North Coor:	1062572.915
		East Coor:	765401.57

SOIL BORING LOG

Boring No.: **D-44**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 17-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.9/4	0.0	N	N	N @ 2'	NA		(0'-0.3') Asphalt. (0.3'-1.1') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		0.0						(1.1'-4.1') Black COAL/ASH/SLAG/GLASS/WOOD and medium SAND [FILL] Moist to dry, loose at 1.7'-2.1' bgs. Slight petroleum-like odor in SAND.
2		0.0						
		0.0						
3								
4	3.9/4	0.0	N	N		NA		(4.1'-4.7') Olive brown SILT and CLAY; trace very fine Sand; trace fine Gravel; moist, very stiff, medium plasticity. (4.7'-7.9') Brown very fine to fine SAND; some Silt; trace to little Clay; trace to little subround Gravel; moist, dense. [TILL]
5		0.0						
		0.0						
6		0.0						
		0.0						
7		0.0						
		0.0						
8	4/4	0.0	N	N		NA		(8'-12') Brown very fine to fine SAND; some Silt; trace Clay; little subround Gravel; moist, dense. [TILL]
		0.0						
9		0.0						
		0.0						
10								

SOIL BORING LOG

Boring No.: **D-44**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 17-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	4/4 (cont'd)	0.0 0.0 0.0 0.0	N	N		NA		(8'-12') Brown very fine to fine SAND; some Silt; trace Clay; little subround Gravel; moist, dense. [TILL]
12	0/4		NA	NA		NA		No Recovery.
16	3.9/4	0.0 0.1 0.4 0.0 0.5 0.3 1.3 9.5	N	N		NA		(16'-19.9') Brown very fine to fine SAND; some Silt; trace Clay; little subround Gravel; moist, dense. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-44**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 16-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20		27				P (Yellow) @ 20.15'-20.2'		(20'-22.8') Brown very fine to fine SAND; some Silt; trace Clay; little subround Gravel; moist, very dense. [TILL]
21		64						
		54		N				
22	3.9/4	102	N					Color change to grayish brown at 21.8' bgs.
		321						
		5,118			N @ 23'	P (Fluorescent Yellow and Orange) @ 22.9'-23.2'		(22.8'-23.2') Brown very fine to medium SAND and SILT; trace fine to coarse Gravel; wet, medium dense. [TILL]
23		5,843		Y	P @ 23.5'			(23.2'-23.6') Brown fine to coarse SAND; wet, loose.
		302			N @ 23.7'		D-44(23.5) @ 1525	(23.6'-23.9') Brown very fine to medium SAND and SILT; trace fine to coarse Gravel; wet, medium dense. [TILL]
24		15,000+			P @ 24.5'	P (Fluorescent Orange) @ 24'-26' P (Bright Orange) @ 24.6'-24.7'		(24'-25.5') Interbedded layers of clayey [TILL] with fine to medium SAND; wet, loose. Fine to coarse SAND, wet, loose in sample shoe.
25		15,000+			P @ 25.3'	P (Bright Orange) @ 25.4'-26'	D-44(25.3) @ 1600	
26	1.5/4		Y (see notes)	Y				
27								
28		2,848			N @ 28.5'		D-44(28-28.5) @ 1000 D-44(29-29.5) @ 1005	(28'-30.1') Grayish brown SILT and CLAY; some very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
29	2.7/4	377	N	Y (moderate)				
		809						
30		302						(30.1'-30.7') Grayish brown CLAY; little Silt; moist, very soft, high plasticity.

SOIL BORING LOG

Boring No.: **D-44**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 17-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	2.7/4 (cont'd)	1,797	N	Y (moderate)	N @ 30.5'			(30.1'-30.7') Grayish brown CLAY; little Silt; moist, very soft, high plasticity.
31								
32	0.9/1	2,197 1,073	N	Y (moderate)	N @ 32.2' N @ 32.8'	P (Orange) @32.7'	D-44(32.6-33) @ 1130	(32'-32.4') Brown SILT; trace very fine Sand; trace Clay; wet, rapid dilatancy, medium stiff. (32.4'-32.9') Weathered Rock; moist, dense to loose.
33								Refusal at 33' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.
Driller:	Thomas Mangefrida
Drilling Method:	Direct Push (Geoprobe 7822DT)
Drilling Fluid:	NA
Remarks/ Abandonment:	NA = Not Applicable; bgs = below ground surface. Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion. 24'-25.5' bgs - Light yellowish brown globules of DNAPL. Clear liquid has very strong odor and evaporates quickly. Started dual-tube @ 28' bgs the morning of 6/17. Bentonite placed down the boring over night to prevent downward mobilization of DNAPL. UV/DyeLiF Scanning conducted at 20'-33' bgs

Sampling Method:	Macrocore / Dual-Tube
Sampling Interval:	continuous
Water Level Start:	NA
Water Level Finish:	NA
Converted to Well:	☐ Yes ☑ No
Surface Elev:	NA
North Coor:	1062551.638
East Coor:	765403.46

SOIL BORING LOG

Boring No.: **D-45**

Project Name:	Seneca Falls PDI	Date Started: 17-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.8/4	0.0 0.0 0.3 0.7	N	N		NA		(0'-0.2') Asphalt. (0.2'-1.2') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (1.2'-2.4') Black SOOT/COAL/CINDER; moist, loose. [FILL]
2								
3		0.0 0.0 0.0						(2.4'-3.2') Dark olive brown SILT; little Clay; trace fine Sand; moist, medium stiff, medium plasticity.
4								(3.2'-13') Brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
5	4/4	1.3 2.3 0.6 9.3	N	N		NA		
6								
7		2.1 1.7 6.5						
8	3.9/4	14.3 65.1 35.6 30.1	N	N		NA		
9								
10								

SOIL BORING LOG

Boring No.: **D-45**

Project Name:	Seneca Falls PDI	Date Started:	17-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	18-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.9/4 (cont'd)	22.5 34.6 15.5	N	N		NA		(3.2'-13') Brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
12	3.8/4	102 137 62.4 22.3 145 95 144	N	N		NA		(13'-20.7') Grayish brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
16	3.9/4	272 317 529 279 326 508 336	N	N	N @ 17.5'	NA		
20								

SOIL BORING LOG

Boring No.: **D-45**

Project Name:	Seneca Falls PDI	Date Started: 17-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.9/4	1,750 15,000+ 763 892 757	N	Y (moderate)	P (trace) @ 20.8' N @ 21.1' P (trace) @ 21.4'	P (Blue and Orange) @ 20.7'-21.1' P (Yellow, Light Blue, Orange) @ 22'-22.7'	D-45(20.7-20.9) @ 0840 D-45(21.5-22) @ 0845	(13'-20.7') Grayish brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
21								(20.7'-21.2') Brown very fine to coarse SAND; trace fine to medium subangular Gravel; moist to wet, loose.
22								(21.2'-22.9') Grayish brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
23								
24	3.5/4	580 31.1 360 386 1,735 564 484 340	N	Y (very slight)	N @ 24.3' N @ 26'	P (Yellow) @ 24.1'-24.3'	D-45(24-24.9) @ 1045 D-45(26) @ 0900	(24'-24.9') Brown very fine to fine SAND; wet, loose.
25								(24.9'-29.5') Grayish brown very fine to fine SAND; little to some Silt; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
26								
27								
28	3.6/4	1,809 859 574 625	N	N	N @ 28.7' N @ 29.2'	P (Light Blue) @ 28.7' P (Light Blue) @ 29.1'-29.3'	D-45(29.1-29.3) @ 1220	
29								
30								(29.5'-31') Grayish brown SILT and CLAY; little very fine Sand; trace fine to medium subround Gravel; moist, very soft, high plasticity. [TILL]

SOIL BORING LOG

Boring No.: **D-45**

Project Name:	Seneca Falls PDI	Date Started: 17-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	1,140 864 979	N	N	N @ 31.1'	P (White/yellow) @31.1'		(29.5'-31') Grayish brown SILT and CLAY; little very fine Sand; trace fine to medium subround Gravel; moist, very soft, high plasticity. [TILL]
31								(31'-31.5') Reddish brown to olive brown CLAY; trace Silt; moist, very soft, high plasticity.
32	0.7/1	15,000+	N	Y (moderate)	N @ 32.5'		D-45(32-32.7) @ 1225	(32'-32.1') Reddish brown SILT; moist, medium stiff. (32.1'-32.7') Olive brown weathered Rock.
33								Refusal at 33' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.
Driller:	Thomas Mangefrida
Drilling Method:	Direct Push (Geoprobe 7822DT)
Drilling Fluid:	NA
Remarks/ Abandonment:	NA = Not Applicable; bgs = below ground surface. Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion. Complete boring from 20' bgs to refusal on 6/18. MS/MSD sample collected at D-45(24-24.9). UV/DyeLiF Scanning conducted at 20'-33' bgs. Duplicate sample 'DUP-02-20210618' collected at D-45(21.5-22)

Sampling Method:	Macrocore
Sampling Interval:	continuous
Water Level Start:	NA
Water Level Finish:	NA
Converted to Well:	☐ Yes ☑ No
Surface Elev:	NA
North Coor:	1062541.01
East Coor:	765392.508

SOIL BORING LOG

Boring No.: **D-46**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 17-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.6/4	0.0 0.0 6.6 1.6 0.0 0.0 0.0	N	N		NA		(0'-0.2') Asphalt. (0.2'-1.0') Gray medium to coarse angular GRAVEL; dry and moist, loose. [Road base] (1.0'-1.8') Black SOOT/COAL/SLAG/CINDERS; moist, loose. [FILL] (1.8'-2.7') Olive brown SILT and CLAY; little very fine Sand; trace fine to medium subangular to subround Gravel; moist, very stiff, medium plasticity. (2.7'-3.6') Brown very fine to fine SAND, some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
2								
3								
4	3.6/4	0.0 3.0 0.7 2.5 1.2 2.0 0.7	N	N		NA		(4'-8.7') Brown very fine to fine SAND, little Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] Fractured COBBLE; dry at 7.5' to 7.6' bgs.
5								
6								
7								
8	3.8/4	0.0 0.3 0.0 0.1	N	N	N @ 8.9'	NA		(8.7'-9.1') Brown very fine to medium SAND; trace to little Silt; trace fine to coarse subangular to subround Gravel; wet, loose. (9.1'-14.6') Brown very fine to fine SAND, little Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
9								
10								

SOIL BORING LOG

Boring No.: **D-46**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 17-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.8/4 (cont'd)	1.3 2.1 4.8	N	N		NA		(9.1'-14.6') Brown very fine to fine SAND, little Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11								
12	3.6/4	9.7 12.9 9.6 9.3 19.6 36.0 34.2	N	N		NA		(14.6'-15.6') Grayish brown very fine to fine SAND, little Silt; trace Clay; trace fine to coarse subangular to subround Gravel; very moist, soft. [TILL]
13								
14								
15								
16	3.6/4	104 71.2 106 60.7 75.6 72.8 187	N	N	N @ 19.5'	NA		(16'-26.7') Grayish brown very fine to fine SAND; some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
17								
18								
19								
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-46**

Project Name:	Seneca Falls PDI	Date Started: 17-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 17-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.1/4	78.1	N	N	N @ 21.5'			(16'-26.7') Grayish brown very fine to fine SAND; some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity. [TILL]
21		137						
22		692						
23		224						
24		212						
25	2.7/4	528	N	N	N @ 23'			
26		684						
27		377						
28		1,000			N @ 25.5'		D-46(25.2-25.7) @ 1340	
29	3.6/4	680	N	N				
30		608						
		722						(28'-31.6') Grayish brown CLAY; little Silt; little to trace very fine to fine Sand, trace fine Gravel; moist, very soft, high plasticity.
		822	N	N	N @ 29'		D-46(29) @ 1410	
		590						
		310						

SOIL BORING LOG

Boring No.: **D-46**

Project Name:	Seneca Falls PDI				Date Started:	17-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045				Date Completed:	17-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY						Weather Conditions:	Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	277 337 301	N	N			D-46(31.5-32) @ 1510	(28'-31.6') Grayish brown CLAY; little Silt; little to trace very fine to fine Sand, trace fine Gravel; moist, very soft, high plasticity.
31								
32								Refusal at 32' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062550.288
	UV/DyeLiF Scanning conducted at 20'-32' bgs	East Coor:	765381.027

ARCADIS

SOIL BORING LOG

Boring No.: **D-47**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 15-Jun-21 Logger: Ryan Clare
Date Completed: 15-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; Partly Cloudy; 60-70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.5/4	0.0 0.9 3.5 0.0 0.0 0.0 0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-1.7') Black SLAG/GLASS/SOOT/COAL/CREOSOTE; moist, loose. [FILL] (1.7'-3.1') Dark olive gray SILT; some Clay; trace very fine to fine Sand; trace Organics; moist, stiff, medium plasticity. (3.1'-3.5') Brown very fine to fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
5	3.6/4	2.7 3.2 2.5 1.0 2.8 1.9 2.0	N	N		NA		(4'-13.4') Brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] Light pink discoloration at 6'-6.4' bgs.
9	3.1/4	1.9 2.9 3.0 4.4	N	N		NA		

SOIL BORING LOG

Boring No.: **D-47**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 15-Jun-21 Logger: Ryan Clare
Date Completed: 15-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; Partly Cloudy; 60-70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.1/4 (cont'd)	5.2	N	N		NA		(4'-13.4') Brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11								
12								
13	3.8/4	7.5 9.3 5.3 7.8 10.7 9.6 10.2 14.7	N	N		NA		(13.4'-21.6') Grayish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
14								
15								
16	0.9/4	10.0 8.8 22.8	N	N	N @ 16.5'		D-47(16-20) @ 1520 for TOC	Poor recovery due to red Sandstone stuck in sample shoe.
17								
18								
19								
20								

SOIL BORING LOG

Boring No.: **D-47**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 15-Jun-21 Logger: Ryan Clare
Date Completed: 15-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; Partly Cloudy; 60-70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.9/4	15,000+	N	Y	P @ 20.2'	P (Olive Green) @ 20'-21.3'	D-47(20.2) @ 1420	(13.4'-21.6') Grayish brown very fine to fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
21		15,000+	Y (see notes)		P @ 21.3'	P (Bright Orange) @ 21.3'-22.3'	D-47(21.3) @ 1425	(21.6'-22.4') Brown fine to medium SAND; wet, loose. Very strong odor.
22		15,000+			P @ 22' P @ 22.4'	P (Olive Green) @ 22.3'-24'	D-47(22) @ 1430 D-47(22.4) @ 1435	(22.4'-23.9') Grayish brown SILT and very fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, stiff. [TILL]
23		12,000	N					
24		15,000+			P @ 23.5'		D-47(23.5) @ 1440	
25	2.1/4	15,000+	N	Y	P (trace) @ 24.3' N @ 24.8' N @ 25'	P (Purple and Orange) @ 24'28'		(24'-31.6') Grayish brown SILT and very fine SAND; little Clay; little to trace fine to coarse subangular to subround Gravel; moist, medium stiff, medium plasticity. [TILL]
26		12,000			N @ 25.7'			
27		15,000+			N @ 26.1'			
28	3.6/4	1,505	N	Y	N @ 28.5'	P (Orange) @ 28.3'-28.8'		
29		643						
30		1,059			N @ 29.5'			
		582						

ARCADIS

SOIL BORING LOG

Boring No.: **D-47**

Project Name:	Seneca Falls PDI	Date Started: 15-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 15-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY	Weather Conditions:	Rain; Partly Cloudy; 60-70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	647 699 692	N	Y	N @ 31.4'	P (Orange) @ 31.4')		(24'-31.6') Grayish brown SILT and very fine SAND; little Clay; little to trace fine to coarse subangular to subround Gravel; moist, medium stiff, medium plasticity. [TILL]
31								
32	0.9/ 0.7	887 997 448	N	Y	N @ 32.2' N @ 32.6'			(32'-32.4') Light olive brown SILT; moist, medium stiff. (32.4'-32.7') Olive brown weathered Rock.
33								Refusal at 32.7' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062572.664
	Red sandstone stuck in sample shoe (16'-20'), resulting in very poor recovery.	East Coor:	765378.836
	Soil sample D-47(16-20) was submitted for TOC analysis.		
	DNAPL observed at 21.6'-22.4' bgs is very light yellowish brown, very non-viscous.		
	Start dual-tube sampling method at 32'-32.7' bgs.		
	UV/DyeLiF Scanning conducted at 16'-32.7' bgs		

SOIL BORING LOG

Boring No.: **D-47A**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 16-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1								SEE D-47 LOG (0'-20' bgs).
2						NA		
3								
4								
5								
6						NA		
7								
8								
9						NA		
10								

SOIL BORING LOG

Boring No.: **D-47A**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 16-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10								SEE D-47 LOG (0'-20' bgs).
11						NA		
12								
13								
14						NA		
15								
16								
17								
18						NA		
19								
20								

SOIL BORING LOG

Boring No.: **D-47A**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 16-Jun-21 Logger: Ryan Clare
Date Completed: 16-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.9/4	463	N	N	P @ 21.5' N @ 23.5'	P (Maroon) @ 21.25' P (Light Blue, Orange) @ 21.4'-21.7' P (Blue) @ 22.8'		(20'-21.4') Grayish brown very fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
21		479						
		15,000+		Y				(21.4'-21.6') Brown fine SAND; wet, loose. very strong odor.
22		1,029	N					(21.6'-23.4') Grayish brown very fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
		742		N				
23		3,667		Y				
		2,362						(23.4'-23.6') Brown fine SAND; moist to wet, loose. Moderate solvent odor.
24	3/4	743	N	Y (moderate)			D-47A(24.1-24.8) @ 1030	(24'-27') Grayish brown very fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
25		490						
		215						
26		244					D-47A(26.1-26.8) @ 1035	
		526						
27		257						
28	0.4/4		N	Y				Rock stuck inside sampler resulted in very poor recovery.
29								
30								

SOIL BORING LOG

Boring No.: **D-47A**

Project Name:	Seneca Falls PDI	Date Started: 16-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 16-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY	Weather Conditions:	Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30								
31	0.4/4 (cont'd)	15,000+	N	Y	P (trace) @31.8'	P (Orange) @ 31.6'-32'	D-47A(26.1-26.8) @ 1350	(31.6'-32') Grayish and olive brown SILT; wet, stiff.
32	0.2/1	15,000+ 15,000+	N	Y	P @ 32.5'	P (Orange) @ 32'-33.2'	D-47A(32.5) @1355	
33								Refusal at 33' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062572.491
	Started soil sample collection at 20' bgs. D-47A is co-located with D-47.	East Coor:	765380.217
	Refer to D-47 log for 0'-20' bgs lithology.		
	UV/DyeLiF Scanning conducted at 20'-33' bgs		

ARCADIS

SOIL BORING LOG

Boring No.: **D-48**

Project Name:	Seneca Falls PDI	Date Started: 14-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 14-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.0/4	0.0 1.2 7.1 0.1	N	N		NA		(0'-0.4') Topsoil/Roots. (0.4'-1.8') Dark brown and black SLAG; moist to wet, loose. [FILL]
2								(1.8'-2.0') Dark olive brown SILT; little Clay; trace very fine Sand; moist, soft, medium plasticity.
3								
4								
5	3.8/4	0.2 1.2 3.2 0.4 10.8 16.2 8.8	N	N	N @ 7'	NA		(4'-7.8') Olive brown grading to brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense grading to dense. [TILL] Very light pink banding at 5.6'-6.5' bgs.
6								
7								
8	3.6/4	5.2 18.0 17.2 46.1	N	N	N@ 10'	NA	D-48(10) @ 1400	(8'-20') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
9								
10								

SOIL BORING LOG

Boring No.: **D-48**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 14-Jun-21 Logger: Ryan Clare
Date Completed: 14-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	42.1 40.2 20.3	N	N		NA		(8'-20') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	3.3/4	0.0 54.1 9.5 80.2 59.5 63.2	N	N	N @ 14.2'	NA	D-48(14.2) @ 1430	
16	3.3/4	86.9 44.1 52.0 54.4 119 293 94.3	N	N	N @ 19'	P (Bluish) @ 16.2' P (Blue) @ 16.5' P (Blue) @ 19.4'-19.75'	D-48(19) @ 1440	
20								

SOIL BORING LOG

Boring No.: **D-48**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 14-Jun-21 Logger: Ryan Clare
Date Completed: 14-Jun-21 Editor: Ryan Clare
Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.6/4	561	N	Y (slight)	N @ 20.2'		D-48(21.5) @ 1455	(20'-20.3') Brown very fine to coarse SAND; wet, loose.
								(20.3'-21') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
21		498						
		929			N @ 21.5'			(21'-29.8') Grayish brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
22		450						
		570						
23		489						
		885			N @ 23.5'			
24		553						
25	3.6/4	191	N	Y (very slight)		P (Faint Orange) @ 26.25'		
		271						
		455						
26		460						
		223						
27		181						
		244						
28	3.6/4	99.7	N	N	N @ 29.5'		D-48(29.5) @ 1540	Consistency changes to medium stiff and grades to soft at 28' bgs.
		70.1						
29		231						
		99.1						
30								

SOIL BORING LOG

Boring No.: **D-48**

Project Name:	Seneca Falls PDI			Date Started:	14-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	14-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	150 172 99.4	N	N				(29.8'-31.6') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity.
32	0.9/1	175 48.2 110	N	N	N @ 32.6'			(32'-32.4') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity. Fractured Cobble at 32.1'-32.4'; wet, loose. (32.4'-32.9') Weathered Rock.
33								Refusal at 33' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil to surface.	Surface Elev:	NA
	UV/DyeLiF Scanning conducted at 16'-33' bgs	North Coor:	1062591.954
		East Coor:	765378.389

ARCADIS

SOIL BORING LOG

Boring No.: **D-49**

Project Name:	Seneca Falls PDI	Date Started: 21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sun; Wind; 85° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	NA		N	N		NA		Top 4' hand cleared. Asphalt/Roadbase/FILL to 4' bgs. - Typical AOC1 top 4 feet.
2								
3								
4	3.7/4	0.0	N	N		NA		(4'-6.4') Olive brown and gray SILT and CLAY; trace Organics; trace very fine Sand; moist, soft, high plasticity.
5		0.0						
6		0.0						
7		0.0						(6.4'-15.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist to dry, very dense. [TILL]
8		0.0						
9	3.6/4	0.0	N	N		NA		
10		0.0						

ARCADIS

SOIL BORING LOG

Boring No.: **D-49**

Project Name:	Seneca Falls PDI	Date Started: 21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sun; Wind; 85° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	1.9 0.8 1.0	N	N		NA		(6.4'-15.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist to dry, very dense. [TILL]
11								
12	3.9/4	0.0 0.0 0.7 2.5 4.5 12.6 17.9	N	N		NA		
13								
14								
15								
16								Little to some Clay at 15.7'-15.9' bgs.
17	3.5/4	3.0 28.1 1.6 0.0 15.9 18.3	N	N		NA		(16'-18') Brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff, medium plasticity. [TILL]
18								(18'-19.5') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist to dry, very dense. [TILL]
19								
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-49**

Project Name:	Seneca Falls PDI	Date Started: 21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sun; Wind; 85° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.5/4	185 199 270 344 735	N	N	N @ 22.5'			(20'-29.7') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
24	2.5/4	540 1,091 373 369 1,259	N	N	N @ 25' N @ 26.5'		D-49(26-26.5) @ 1420	
28	3.8/4	402 499 384 512	N	N			D-49(29.3-29.7) @ 1455	(28'-29.7') Grayish brown very fine SAND and SILT; some Clay; trace fine to coarse subangular to subround Gravel; moist, medium density, medium plasticity. [TILL]
30								

ARCADIS

SOIL BORING LOG

Boring No.: **D-49**

Project Name:	Seneca Falls PDI	Date Started: 21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sun; Wind; 85° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.8/4 (cont'd)	273 269	N	N				(29.7'-31.5') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to medium subangular to subround Gravel; moist, medium stiff, high plasticity.
31								(31.5'-31.8') Olive brown weathered Rock.
32								Refusal at 32' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062542.808
	UV/DyeLiF Scanning conducted at 20'-32' bgs	East Coor:	765486.546

ARCADIS

SOIL BORING LOG

Boring No.: **D-51**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 25-Jun-21 Logger: Ryan Clare
Date Completed: 25-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.1/4	0.0 0.0 0.0 0.6 0.0 0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.6') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.6'-2.6') Reddish brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to medium subangular to subround Gravel; moist, dense to medium dense. (2.6'-4.6') Black SLAG/SAND/SOOT; wet, loose. [FILL]
5	2.5/4	0.0 0.0 0.0 0.0 0.0	N	N		NA		(4.6'-6.2') Dark olive gray SILT and CLAY; trace very fine to fine Sand; trace Organics; moist, soft, medium to high plasticity. (6.2'-6.5') Olive brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
9	3.9/4	3.0 8.4 7.3 5.1	N	N		NA		(8'-14.6') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]

SOIL BORING LOG

Boring No.: **D-51**

Project Name:	Seneca Falls PDI	Date Started: 25-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 25-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.9/4 (cont'd)	5.8 2.5 6.5	N	N		NA		(8'-14.6') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]
12	3.8/4	1.2 1.9 4.4 7.4 6.7 11.9 7.2	N	N	N @ 14.8'	NA		(14.6'-14.9') Brown very fine to fine SAND; trace Silt; trace fine to coarse subangular to subround Gravel; moist to wet, soft. (14.9'-18.1') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]
16	3.8/4	8.2 2.8 4.5 1.5 14.7 10.6 19.1	N	N	N @ 18.2'	NA		(18.1'-19.8') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-51**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 25-Jun-21 Logger: Ryan Clare
Date Completed: 25-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.6/4	15.5	N	N	N @ 20.2'		D-51(20-20.7) @ 1150	(20'-20.4') Brown fine to medium SAND; trace Silt; wet, medium dense to loose. (20.4'-20.8') Brown very fine to fine SAND; some Silt; trace fine to medium subangular to subround Gravel; moist, dense.
21		12.6						(20.8'-21.9') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, very dense. [TILL]
		40.9						
22		8.5						
		9.2						(21.9'-26.7') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity.
23		6.9						
		4.7						
24	4/4	7.7	N	N				
25		16.5						
		7.5						
26		11.5						
		10.3						
27		8.4						(26.7'-28') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
		9.9						
28		13.7						
	4/4	24.6	N	N				(28'-30') Grayish brown SILT; some Clay; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, medium plasticity.
29		46.3						
		42.9						
30		56.1						

SOIL BORING LOG

Boring No.: **D-51**

Project Name:	Seneca Falls PDI	Date Started: 25-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 25-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	4/4 (cont'd)	81.2 141 182 601	N	N	Trace pink ball @ 31.8'	P (Blue) @ 31.7'-31.8' P (Fluorescent Orange) @ 31.8'-32'	D-51(31.6-32)	(30'-31.6') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity. Layer of SILT and very fine SAND; some Clay at 30.7'-30.9' bgs. Color changes to Gray at 31' bgs. (31.6'-32') Yellowish brown SILT; trace very fine Sand; trace Clay; wet, medium dense. Weathered Rock in shoe.
31								
32								Refusal at 32' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062511
	Duplicate sample DUP-06-20210625 collected at D-51(31.6-32).	East Coor:	765424
	MS/MSD sample collected at D-51(31.6-32).		
	Start dual-tube sampling method at 20' bgs.		
	UV/DyeLiF Scanning conducted at 20'-32' bgs.		

ARCADIS

SOIL BORING LOG

Boring No.: **D-52**

Project Name:	Seneca Falls PDI	Date Started: 25-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 25-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
0	3/4	0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.5') Gray medium to coarse angular GRAVEL; moist, loose. [Road base]
1		0.0						(0.5'-3') Olive brown SILT; some to little Clay; trace very fine to fine Sand; trace fine subangular to subround Gravel; moist, medium stiff, medium plasticity.
2		0.0						
3		0.0						
4	3.4/4	0.0	N	N		NA		(4'-4.5') Black SOOT and SAND; moist to wet, loose. [FILL]
5		0.0						(4.5'-6.7') Dark olive brown to olive gray CLAY and SILT; trace very fine to fine Sand; trace Organics; moist, soft, high plasticity.
6		0.0						
7		0.0						(6.7'-18.9') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; moist. [TILL]
8	3.9/4	0.0	N	N		NA		
9		0.0						
10		0.0						

SOIL BORING LOG

Boring No.: **D-52**

Project Name:	Seneca Falls PDI					Date Started:	25-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	25-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.9/4 (cont'd)	0.0	N	N		NA		(6.7'-18.9') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; moist. [TILL]
11		0.0						
12		0.0						
13	3.9/4	0.0	N	N		NA		
14		6.8						
15		0.0						
16		0.0						
17	3.9/4	0.0	N	N		NA		
18		0.0						
19		10.7						(18.9'-19.9') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist. [TILL]
20		20.6						
		31.1						
		13.4						
		13.2						
		30.5						
		12.6						

SOIL BORING LOG

Boring No.: **D-52**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 25-Jun-21 Logger: Ryan Clare
Date Completed: 25-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.4/4	4.4	N	N				(20'-23.1') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
21		4.4						
		5.6						
22		8.2						
		9.7						
23		60.3						
		25.7						(23.1'-23.4') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
24	3.6/4		N	N			D-52(24-25.5) @ 1005	(24'-27') Grayish brown very fine to fine SILT and CLAY; trace fine to coarse subangular to subround Gravel; moist, dense, medium plasticity. [TILL]
25		15.6						
		12.9						
26		9.4						
		14.7						
27		9.7						(27'-28.2') Reddish brown CLAY; little Silt; moist, very soft, high plasticity.
		8.8						
28	1.7/ 3.9	84.8	N	N	P (trace) @ 28.2'	P (Blue-White) @ 28.1'-28.5'	D-52(28-28.4) @ 1140	(28.2'-29.7') Interbedded layers of brown CLAY with SILT; moist, soft, high plasticity, slow to rapid dilatancy. Wet at 28.6'-28.8' bgs.
29		76.6			N @ 29'			
		670			N @ 29.4'			
30		52.9						

SOIL BORING LOG

Boring No.: **D-52**

Project Name:	Seneca Falls PDI	Date Started: 25-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 25-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 70° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	1.7/ 3.9 (cont'd)		N	N				(30'-31.9') Interbedded layers of brown CLAY; moist, soft, high plasticity with SILT; wet, soft, slow to rapid dilatancy.
31								
32								Refusal at 31.9' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.
Driller:	Thomas Mangefrida
Drilling Method:	Direct Push (Geoprobe 7822DT)
Drilling Fluid:	NA
Remarks/ Abandonment:	NA = Not Applicable; bgs = below ground surface.
	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.
	MS/MSD sample collected at D-52(24-25.5)
	Duplicate sample 'DUP-05-20210625' collected at D-52(28-28.4)
	Start dual-tube sampling method at 20' bgs.
	UV/DyeLiF Scanning conducted at 20'-31.9' bgs

Sampling Method:	Macrocore / Dual-Tube
Sampling Interval:	continuous
Water Level Start:	NA
Water Level Finish:	NA
Converted to Well:	☐ Yes ☑ No
Surface Elev:	NA
North Coor:	1062499.306
East Coor:	765414.776

ARCADIS

SOIL BORING LOG

Boring No.: **D-53**

Project Name:	Seneca Falls PDI	Date Started: 24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.9/4	1.3	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		4.9						(0.8'-4.7') Brown SILT and CLAY interbedded with black and brown SLAG and SOOT; moist, loose. [FILL]
2		9.2						
3		1.7						Wet at 2.8'-2.9' bgs.
4	2.9/4	0.3	N	N		NA		
5		0.2						(4.7'-6.1') Dark olive brown SILT; some Clay; trace Organics; trace very fine Sand; moist, soft, medium plasticity.
		0.1						
6		0.2						(6.1'-16') Brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
7		1.0						
8	2.8/4	1.8	N	N	N @ 8.4'	NA		
9		1.3						
		2.3						
10		2.4						

SOIL BORING LOG

Boring No.: **D-53**

Project Name:	Seneca Falls PDI					Date Started:	24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	2.8/4 (cont'd)		N	N		NA		(6.1'-16') Brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
11								
12		0.7						
13		1.2						
14	3.8/4	2.9 1.8	N	N		NA		
15		2.3 1.1						
16		0.9						
17		2.6						(16'-18.9') Grayish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
18	2.9/4	7.0 4.5 1.7	N	N		NA		
19		3.8						
20								

SOIL BORING LOG

Boring No.: **D-53**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 24-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3/4	2.1 2.6 1.3 1.8 2.1 2.1	N	N		NA		(20'-29.1') Grayish brown SILT; some Clay; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, medium stiff to soft, high plasticity. [TILL]
24	3/4	1.7 1.4 2.1 8.3	N	N				
28	3.7/4	57.2 35.5 19.2 12.1	N	N	N @ 28.1'	P (Light yellow/ Blue/White) @ 28.2'	D-53(28-28.3) @ 1545	Layer of brown fine SAND; moist, loose at 28'-28.2' bgs. (29.1'-29.6') Reddish brown CLAY; little Silt; moist, soft, high plasticity.
30								

SOIL BORING LOG

Boring No.: **D-53**

Project Name:	Seneca Falls PDI					Date Started:	24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30		38.2	N	N	N @ 31.6'		D-53(31.7-32) @ 1435	(29.6'-30.1') Grayish brown SILT; some Clay; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, medium stiff to soft, high plasticity. [TILL]
31		34.0						(30.1'-31.7') Reddish brown grading to grayish brown CLAY; trace Silt; moist, very soft, high plasticity.
		62.5						
		61.0						(31.7'-32') Yellowish brown SILT; trace very fine Sand; moist, stiff.
32	0.1/0.1	14.1	N	N				(32'-32.1') Olive brown weathered Rock.
								Refusal at 32.1' bgs
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062511.49
	Start dual-tube sampling method at 16' bgs.	East Coor:	765403.726
	UV/DyeLiF Scanning conducted at 24'-32' bgs		

ARCADIS

SOIL BORING LOG

Boring No.: **D-54**

Project Name:	Seneca Falls PDI	Date Started: 22-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.5/4	0.0	N	N		NA		(0'-0.5') Asphalt. (0.5'-0.9') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		0.0						(0.9'-3.6') Grayish brown to brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense.
2		0.0						
		0.0						
3		0.0						
		0.0						
4	1.7/4	0.0	N	N		NA		(4'-4.2') [FILL]
		0.0						(4.2'-9.7') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse angular to subround Gravel; moist, soft. [TILL]
5		0.0						
		0.0						
6								
7								
8	3.8/4	0.0	N	N		NA		
		0.0						
9		0.0						
		0.0						(9.7'-15.5') Brown very fine SAND; little Clay; trace subangular to subround Gravel; moist, dense. [TILL]
10		0.0						

SOIL BORING LOG

Boring No.: **D-54**

Project Name:	Seneca Falls PDI				Date Started:	22-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045				Date Completed:	22-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY						Weather Conditions:	Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.8/4 (cont'd)	0.0 0.0 0.0	N	N		NA		(9.7'-15.5') Brown very fine SAND; little Clay; trace subangular to subround Gravel; moist, dense. [TILL]
12	3.5/4	7.6 5.1 19.6 10.8 17.6 45.4 41.0	N	N		NA		
16	2.6/4	19.6 83.4 91.8 67.9 40.9	N	N		NA		(16'-22.8') Grayish brown very fine SAND; little Clay; trace subangular to subround Gravel; moist, soft, low plasticity. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-54**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 22-Jun-21 Logger: Ryan Clare
Date Completed: 22-Jun-21 Editor: Ryan Clare
Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.8/4	30.7 28.0 45.6 50.0 45.3	N	N	N @ 22.6'		D-54(22-22.3) @ 1020	(16'-22.8') Grayish brown very fine SAND; little Clay; trace subangular to subround Gravel; moist, soft, low plasticity. [TILL] Pocket of fine Sand at 22.5'-22.6' bgs.
24	1.3/4	21.8 5.3 6.2	N	N				(24'-25.3') Grayish brown very fine SAND; little Clay; trace subangular to subround Gravel; moist, soft, low plasticity. [TILL] Rock stuck in sample shoe.
28	0.2/4	0.8	N	N				(28'-32') Grayish brown very fine SILT and CLAY; trace very fine Sand; trace fine to medium Gravel; soft, high plasticity. [TILL]
30								

SOIL BORING LOG

Boring No.: **D-54**

Project Name:	Seneca Falls PDI					Date Started:	22-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	22-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	0.2/4 (cont'd)		N	N				(28'-32') Grayish brown very fine SILT and CLAY; trace very fine Sand; trace fine to medium Gravel; soft, high plasticity. [TILL]
31								
32	2.2/ 2.3	31.3 70.3 445 251	N	N	N @ 32.4' N @ 33.5'	P (Red) @ 34.2'	D-54(33.3-33.6) @ 0955	(32'-33.2') Interbedded layers of reddish brown to grayish brown CLAY; moist, very soft, high plasticity; with SILT and very fine SAND; wet, medium stiff, slow to rapid dilatancy. (33.2'-34.2') Olive brown weathered Rock; moist, loose. Wet at 33.2'-33.5' bgs.
33								
34								
35								Refusal at 34.3' bgs.
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062501.734
	UV/DyeLiF Scanning conducted at 20'-34.3' bgs	East Coor:	765385.823

ARCADIS

SOIL BORING LOG

Boring No.: **D-55**

Project Name:	Seneca Falls PDI	Date Started: 14-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 14-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.1/4	0.0 0.0 0.0 15.7 2.4 0.7	N	N	N @ 2.7'	NA		(0'-0.4') Asphalt. (0.4'-1.3') Gray medium to coarse angular GRAVEL; moist, loose. [Road base] (1.3'-2.6') Brown and black fine SAND and SOOT/ASH/ CINDER; moist, loose. [FILL] Red brick at 2.2'-2.3' bgs. (2.6'-3.1') Dark olive brown SILT; little Clay; trace very fine to fine Sand; trace Organics; moist, stiff, medium plasticity.
2								
3								
4	4/4	0.4 1.3 1.7 2.7 1.3	N	N		NA		(4'-12') Brown very fine to fine SAND; some Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
5								
6								
7								
8	3.1/4	0.8 1.2 1.7 2.9 3.7	N	N		NA		
9								
10								

SOIL BORING LOG

Boring No.: **D-55**

Project Name:	Seneca Falls PDI	Date Started: 14-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 14-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.1/4 (cont'd)	9.1 8.1 7.9 14.7	N	N		NA		(4'-12') Brown very fine to fine SAND; some Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11								
12	4/4	0.0 0.7 3.1 2.4 2.1 1.7 0.7 0.9	N	N		NA		(12'-13.3') Brown very fine to fine SAND; trace Silt; trace Clay; trace fine to coarse subangular to subround Gravel; moist, medium soft. [TILL] (13.3'-13.7') Black and dark olive gray fine to coarse angular GRAVEL; little fine Sand; little Silt; wet, loose. (13.7'-16.8') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
13								
14								
15								
16	2.6/4	7.2 1.5 9.2 1.4 5.4	N	N		NA		(16.8'-18.6') Grayish brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; little Clay; moist, dense. [TILL]
17								
18								
19								
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-55**

Project Name:	Seneca Falls PDI	Date Started: 14-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 14-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.8/4	2.7 1.4 0.9 1.2 0.0	N	N		NA		(20'-28') Grayish brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; little Clay; moist, medium stiff, medium plasticity. [TILL]
21								
22								
23								
24	4/4	NA	N	N				Consistency changed to stiff at 24' bgs.
25								
26								
27								
28	3.7/4	1.2 0.0 0.7 1.1	N	N	N @ 29'	P (Blue) @ 28.5'-28.6'	D-55(28.5-28.6) @ 1420 D-55(29) @ 1255	(28'-30') Grayish brown SILT and CLAY; some very fine Sand; moist, stiff, medium plasticity. 1" seam of fine to medium SAND at 29' bgs.
29								
30								

SOIL BORING LOG

Boring No.: **D-55**

Project Name:	Seneca Falls PDI					Date Started:	14-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	14-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Rain; 70-78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.7/4 (cont'd)	0.0 0.1 1.4	N	N	N @ 31.2'			(30'-31.7') Brownish gray SILT and CLAY; moist, very soft, high plasticity.
32	1.8/ 1.2	348 402 30.7	N	N	N @ 32.5' N @ 33' N @ 33.2'	P (Blue) @ 32.1'-32.3'	D-55(32.2) @ 1400 D-55(32.5) @ 1320 D-55(33) @ 1325	(32'-33.4') Brownish gray and grayish brown SILT interbedded with soft silty CLAY; moist and wet, soft, medium stiff. (33.4'-33.8') Weathered Rock; dry, loose.
								Refusal at 33.3' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion.	Surface Elev:	NA
	UV/DyeLiF Scanning at intervals 4'-8' and 24'-33.3' bgs	North Coor:	1062533.1
		East Coor:	765373.95

ARCADIS

SOIL BORING LOG

Boring No.: **D-59**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 16-Jun-21 Logger: Ryan Clare
Date Completed: 16-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.8/4	1.8	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		0.2						(0.8'-1.3') Black SOOT/ASH/CREOSOTE; moist, loose. [FILL]
2		0.0						(1.3'-1.7') Discolored dark olive brown SILT; some Clay; little very fine to fine Sand; moist, very stiff, medium plasticity.
		0.0						(1.7'-4') Brown SILT; some Clay; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist to dry, very stiff. [TILL]
3		0.2						
		0.5						
4	3.8/4	0.0	N	N		NA		(4'-16.7') Brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, dense to very dense. [TILL]
5		0.5						
		4.5						
6		2.6						
		12.4						
7		3.1						
		6.2						
8	3.8/4	15.0	N	N		NA		
		20.5						
9		35.3						
		42.9						
10								

SOIL BORING LOG

Boring No.: **D-59**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 16-Jun-21 Logger: Ryan Clare
Date Completed: 16-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.8/4 (cont'd)	25.9 45.3 14.7	N	N		NA		(4'-16.7') Brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, dense to very dense. [TILL]
12	3.9/4	13.7 18.3 8.6 11.4 6.6 39.3 17.0	N	N		NA		Fractured COBBLE at 14.8'-15' bgs.
16	3.6/4	95.1 149 118 179 88.7 176 168	N	N	N @ 18'			(16.7'-23.9') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, medium dense. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-59**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 16-Jun-21 Logger: Ryan Clare
Date Completed: 16-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.9/4	318 618 1,189 2,252 1,091 674 1,053 1,207	N	Y (very slight)	N @ 21.5' N @ 21.8' N @ 22' N @ 22.2'	P (Faint Orange) @ 21.5'	D-59(21.7-22.5) @ 1250	(16.7'-23.9') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse Gravel; trace Clay; moist, medium dense. [TILL]
24	3.8/4	678 256 220 367 1,326 1,297 743	N	N	N @ 26.5'		D-59(26.5) @ 1305	(24'-30.4') Grayish brown very fine to fine SAND; some Silt; little to some Clay; trace fine to coarse Gravel; moist, medium dense, medium to high plasticity. [TILL]
28	3.8/4	229 129 63.7 73.6	N	N				
30								

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SOIL BORING LOG

Boring No.: **D-59**

Project Name:	Seneca Falls PDI			Date Started:	16-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	16-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 74° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.8/4 (cont'd)	33.9 11.8 4.7	N	N				(30.4'-31.8') Grayish brown SILT and CLAY; trace to little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity.
31								
32	0.8/ 0.9	30.1	N	N	N @ 32.6'			(32'-32.9') Olive brown weathered Rock; moist, loose.
33								Refusal at 32.9' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062572.739
	MS/MSD collected at D-59(21.7-22.5).	East Coor:	765368.917
	UV/DyeLiF Scanning conducted at 16'-32.9' bgs		

SOIL BORING LOG

Boring No.: **D-62**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 17-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.3/4	0.0 0.0 0.0	N	N		NA		(0'-0.2') Asphalt. (0.2'-1') Gray medium to coarse angular GRAVEL; dry to moist, loose. [Road base]
2								(1'-4.4') Black SOOT/ASH/SLAG,/GLASS/CREOSOTE; moist, loose. [FILL] Concrete debris at 1.4'-1.6' bgs.
3								
4								
5	3.9/4	0.0 0.0 0.3 2.7 7.6 2.6 7.6	N	N		NA		(4.4'-5.9') Dark olive brown SILT; some Clay; trace very fine to fine Sand; trace fine to medium subangular to subround Gravel; moist, very stiff, medium plasticity. (5.9'-18.5') Brown very fine SAND; some Silt; trace to little fine to coarse subangular to subround Gravel; moist, dense. [TILL]
6								
7								
8								
9	1.8/4	6.1 12.4	N	N		NA		
10								

SOIL BORING LOG

Boring No.: **D-62**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 17-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	1.8/4 (cont'd)		N	N		NA		(5.9'-18.5') Brown very fine SAND; some Silt; trace to little fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11								
12	3.7/4	6.2 14.3 12.5 32.2 104 33.8 21.3	N	N	N @ 14.5'	NA		
13								
14								
15								
16	3.9/4	42.2 49.5 77.0 44.5 38.3 38.3 96.0	N	N	N @ 17'	NA		(18.5'-25.4') Grayish brown very fine SAND; some Silt; trace to little fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
17								
18								
19								
20								

SOIL BORING LOG

Boring No.: **D-62**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 17-Jun-21 Logger: Ryan Clare
Date Completed: 17-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20								
		109						(18.5'-25.4') Grayish brown very fine SAND; some Silt; trace to little fine to coarse subangular to subround Gravel; moist, medium dense. [TILL] Consistency changes to soft at 20' bgs.
21		141			N @ 21'			
		30.9						
22	2.6/4	106	N	N				
		109				P (Yellow) @ 22.6'		
23								
24								
		346						
25		388						
		389					D-62(25.4-25.8) @ 1110	(25.4'-25.7') Grayish brown very fine to fine SAND; little to trace Silt; moist and wet, loose.
26	3.5/4	538	N	Y (slight odor in sand)	N @ 25.6'			(25.7'-27.3') Grayish brown very fine SAND; some Silt; trace to little fine to coarse subangular to subround Gravel; moist, medium dense, soft. [TILL]
		530						
27		671						
		895			N @ 27.5'		D-62(27.3-27.5) @ 1120	(27.3'-27.5') Grayish brown CLAY; little Silt; moist, soft, high plasticity.
28								
		795						(28'-30.3') Grayish brown CLAY; some Silt; high plasticity; Interbedded with [SILTY TILL] SILT; some Clay; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft.
29	3.8/4	1,093	N	N	N @ 29'			
		942						
30		677						

ARCADIS

SOIL BORING LOG

Boring No.: **D-62**

Project Name:	Seneca Falls PDI					Date Started:	17-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	17-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 68° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30								
		82.2						(30.3'-31.8') Grayish brown grading to olive brown CLAY; trace to little Silt; moist, very soft, high plasticity.
31	3.8/4	84.3	N	N				
		3,837			N @ 31.5'		D-62(31.5) @ 1130	
32	0.5/0.2	80.2	N	N	N @ 32.1'		D-62(32-32.2) @ 1315	(32'-32.5') Olive gray weathered Rock; moist, loose.
								Refusal at 32.2' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	NA
	UV/DyeLiF Scanning conducted at 20'-32.2' bgs	East Coor:	NA

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SOIL BORING LOG

Boring No.: **D-63**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 22-Jun-21 Logger: Ryan Clare
Date Completed: 22-Jun-21 Editor: Ryan Clare
Weather Conditions: Overcast; 63° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	NA		N	N		NA		Hand cleared to 5' bgs. (0'-1') Asphalt and FILL.
2								(1'-4') Clean number 2 Stone; angular, wet, very loose.
3								
4								(4'-5') Native Soil [TILL], wet, very loose.
5	3.3/3	0.0 2.4 1.2 0.3 7.0	N	N		NA		(5'-12.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
6								
7								
8	3.6/4	161 152 51.0 89.2 95.6	N	N	N @ 8.2'	NA		Pocket of fine to medium SAND at 8.1'-8.3' bgs, wet, loose. Consistency changes to dense at 8.3' bgs.
9								
10								

ARCADIS

SOIL BORING LOG

Boring No.: **D-63**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 22-Jun-21 Logger: Ryan Clare
Date Completed: 22-Jun-21 Editor: Ryan Clare
Weather Conditions: Overcast; 63° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	58.6 83.1 109	N	N		NA		(5'-12.9') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	3.6/4	494 726 901 1,183 15,000+ 8,980 826 1,753	N Y (pin-head black blebs) Y (light brown oil-like) N	Y (moderate) Y Y Y (moderate)	N @ 13' N @ 13.6' P @ 14.5'	P (White) @ 14'-14.7'	D-63(14.3-14.7) @ 1340	(12.9'-13.5') Reddish brown CLAY; little Silt; trace very fine Sand; moist, stiff, high plasticity. (13.5'-13.7') Very fine to fine SAND; little Silt; wet, loose. (13.7'-14.2') Reddish brown CLAY; little Silt; trace very fine Sand; moist, stiff, high plasticity. (14.2'-14.7') Very fine to fine SAND; little Silt; wet, loose, very strong odor. (14.7'-15.6') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; trace fine to medium Sand; moist, medium dense. [TILL] Color changes to greenish brown at 15.3-15.6' bgs.
16	1.7/4	2,793 1,991 1,526	N	Y (slight)	N @ 16.3' N @ 16.5' N @ 17.2'	P (Orange) @ 16'-20'	D-63(17.2-17.6) @ 1555	(16'-26.2') Grayish brown SILT and very fine to fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-63**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 22-Jun-21 Logger: Ryan Clare
Date Completed: 22-Jun-21 Editor: Ryan Clare
Weather Conditions: Overcast; 63° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.6/4	375 376 704 322 906 498 406	N	Y (very slight)	N @ 21.4' N @ 22.5'		D-63(21.2-21.5) @ 1600	(16'-26.2') Grayish brown SILT and very fine to fine SAND; little Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
21								
22								
23								
24	3/4	15,000+ 12,911 1,792 1,847 1,708 1,801	Y (dark brown) (see notes)	Y	N @ 24.2' N @ 25.2' N @ 25.5'-26'	P (White) @ 24'-25.4'	D-63(24.3-24.8) @ 1630 D-63(25.6-27.2) @ 1445	(26.2'-27') Grayish brown SILT and very fine to fine SAND; some Clay; trace fine to coarse subangular to subround Gravel; moist, soft, low plasticity. [TILL]
25								
26								
27								
28	4/4	108 42.1 38.2 110	N	N				(28'-32') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity.
29								
30								

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SOIL BORING LOG

Boring No.: **D-63**

Project Name:	Seneca Falls PDI			Date Started:	22-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	22-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Overcast; 63° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	4/4 (cont'd)	1.5	N	N				(28'-32') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, very soft, high plasticity.
31		1.7						
		0.7						
32		0.7						
	3.6/ 2.2	5.7	N	N				(32'-34.5') Reddish brown grading to brownish gray CLAY; trace Silt; moist, very soft, high plasticity.
33		8.1						
		8.6						
34		10.2						
		7.1						Refusal at 34.2' bgs.
35		30.2						(34.5'-35.5') Grayish brown to reddish brown SILT; trace very fine Sand; wet, soft, rapid dilatancy.
		5.8						(35.5'-35.8') Reddish brown SILT and CLAY; moist, soft, medium plasticity.
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface; OLM = oil-like-material	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062757.615
	Trace to little DNAPL observed in sand seams at 13.5'-13.7' and 14.2'-14.7' bgs;	East Coor:	766383.303
	trace black globules at 13.6' bgs. Little light brown OLM at 14.5' bgs.		
	DNAPL observed at 24'-28' bgs only coated inside of liner. No DNAPL observed		
	in the split core.		
	UV/DyeLiF Scanning conducted at 12'-34.2' bgs		
	Start dual-tube sampling method at 28' bgs.		

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SOIL BORING LOG

Boring No.: **D-64**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 64° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1 2 3 4	NA		N	N		NA		Hand cleared to 5' bgs. (0'-1') Asphalt on Roadbase material. (1'-3') FILL material; moist, medium dense. (3'-5') Clayey and Silty TILL; moist, stiff.
5 6 7 8	2.4/3	0.0 0.0 0.0 0.0 0.0	N	N		NA		(5'-15.5') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
9 10	3.7/4	0.0 0.0 1.1 0.0	N	N		NA		Consistency becomes dense at 8' bgs.

SOIL BORING LOG

Boring No.: **D-64**

Project Name:	Seneca Falls PDI					Date Started:	23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 64° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.7/4 (cont'd)	1.8 4.8 7.5	N	N		NA		(5'-15.5') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	3.5/4	33.9 37.7 54.3 78.9 97.5 65.5 108	N	N	N @ 12.6'	NA		1/8" thick seam of fine to medium SAND, wet, loose at 12.6' bgs.
16	3.4/4	94.8 310 59.7 43.8 48.2 35.0 45.0	N	N	N @ 16.7'	P (Blue/White) @ 16.3'	D-64(16.5-16.8) @ 1050	(16'-22.1') Grayish brown very fine to fine SAND and SILT; little Clay; trace to little fine to coarse subangular to subround Gravel; moist, medium dense to soft. [TILL] Seam of fine SAND; moist at 16.6'-16.7' bgs.
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-64**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 64° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.1/4	37.7 88.5 71.9 54.0	N	N				(16'-22.1') Grayish brown very fine to fine SAND and SILT; little Clay; trace to little fine to coarse subangular to subround Gravel; moist, medium dense to soft. [TILL]
21								
22								
23								
24	0/4		N	N				No Recovery.
25								
26								
27								
28	2.9/4	0.0 0.0 0.0 8.4	N	N				(28'-29.5') Grayish brown SILT and CLAY; some very fine Sand; little fine to coarse subangular to subround Gravel; moist, very soft, medium plasticity. [TILL]
29								(29.5'-30.1') Grayish and yellowish brown SILT; trace very fine Sand; trace Clay; wet, soft, slow dilatancy.
30								

SOIL BORING LOG

Boring No.: **D-64**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 64° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30								
	2.9/4 (cont'd)	10.9 10.6	N	N	N @ 30.9			(30.1'-30.2') Gray CLAY; moist, very soft, high plasticity. (30.2'-30.9') Brown SILT; trace very fine Sand; wet, soft, rapid dilatancy.
31								
32	0.7/ 0.5	42.6 23.3	N	N			D-64 (32-32.5) @ 1035	(32'-32.5') Reddish brown SILT; little Clay; moist, soft. Refusal at 32.5' bgs. (32.5'-32.7') Olive gray weathered Rock.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062736.089
	Start dual-tube sampling method at 16' bgs.	East Coor:	766375.591
	UV/DyeLiF Scanning conducted at 16'-32.5' bgs		

SOIL BORING LOG

Boring No.: **D-65**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1								Hand cleared to 4' bgs. (0-0.5') Asphalt. (0.5'-4') Brown very fine to medium SAND; some medium to coarse Gravel; little subround Cobbles; moist, dense. [FILL]
2						NA		
3								
4								
5		0.0 0.0 0.0						(4'-16') Brown very fine to fine SAND; some Silt; little Clay; trace to little fine to coarse subangular to subround Gravel; moist, medium dense to dense. [TILL]
6	3.6/4	0.0	N	N		NA		
7		0.0 0.0 1.5						
8		0.3						Consistency changes to dense at 8' bgs.
9	3.6/4	0.6 3.1	N	N		NA		
10		6.9						

SOIL BORING LOG

Boring No.: **D-65**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	2.8 7.2 15.1	N	N	N @ 11.6'	NA		(4'-16') Brown very fine to fine SAND; some Silt; little Clay; trace to little fine to coarse subangular to subround Gravel; moist, medium dense to dense. [TILL] Seam of fine SAND at 11.6' bgs.
12	3.6/4	323 486 528 870 15,000+ 4,120 1,653	N	Y (moderate) Y Y (moderate)	N @ 13.3' N @ 14.2' P (trace) @ 14.5'	P (White) @ 13.2' P (White) @ 14.5'-14.9'	D-65(13.1-13.4) @ 1245 D-65(14.4-14.6) @ 1135	
16	3.6/4	962 642 1,236 589 992 661 408	N	Y (moderate) Y (slight)	N @ 17.5' N @ 19'	P (Orange) @ 18.9'-19.1'	D-65(18.8-19.1) @ 1310	(16'-19.6') Grayish brown very fine to fine SAND; some Silt; little Clay; trace to little fine to coarse subangular to subround Gravel; moist, medium dense to soft. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-65**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	4/4	627	N	N				(20'-28') Grayish brown SILT; some Clay; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, stiff to medium stiff, medium plasticity.
21		491						
		397						
22		202						
		141						
23		181						
		85.0						
24		73.0						
	4/4	9.9	N	N	N @ 24.1			
25		5.7						
		0.8						
26		0.4						
		0.4						
27		0.3						
		0.3						
28		0.4						
	4/4	0.0	N	N	N @ 29.5'		D-65(29.6-30) @ 1425	(28-31.8') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, medium stiff, high plasticity.
29		0.0						
		0.0						
30		0.0			N @ 29.9'			

SOIL BORING LOG

Boring No.: **D-65**

Project Name:	Seneca Falls PDI	Date Started:	23-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	23-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	4/4 (cont'd)	0.0 0.0 0.0	N	N				(28-31.8') Grayish brown SILT and CLAY; little very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, medium stiff, high plasticity.
31								
32	0.5/ 0.8	7.2	N	N	N @ 32.1'	P (Dull Orange) @ 32'-32.5'	D-65(32-32.5) @ 1230	(31.8'-32') Brown CLAY; moist, very soft, high plasticity. (32'-32.3') Yellowish brown SILT; little very fine Sand; trace Clay; moist to wet, soft. (32.3'-32.5') Yellowish brown weathered Rock and SILT; trace very fine Sand; trace Clay; wet, loose.
33								Refusal at 32.8' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062726.047
	Start dual-tube sampling method at 16' bgs.	East Coor:	766361.415
	UV/DyeLiF Scanning conducted at 12'-32.8' bgs		

SOIL BORING LOG

Boring No.: **D-66**

Project Name:	Seneca Falls PDI					Date Started:	23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 76° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.9/4	0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-0.8') Gray medium to coarse angular GRAVEL; wet, loose. [Road base]
		0.0						(0.8'-2.3') Dark brown SILT; some very fine Sand; little Clay; trace Organics; wet to moist, soft.
2		0.0						
		0.0						(2.3'-2.9') Brown very fine SAND and SILT; trace Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense.
3								
4	3.9/4	0.0	N	N		NA		(4'-12') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
		0.2						
5		0.6						
		1.1						
6		1.8						
		1.9						
7		0.9						
8	4/4	0.0	N	N		NA		
		4.8						
9		2.5						
		10.4						
10								

SOIL BORING LOG

Boring No.: **D-66**

Project Name:	Seneca Falls PDI					Date Started:	23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 76° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	4/4 (cont'd)	66.6 130 366 539	N	N	N @ 11.9'	NA		(4'-12') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	2.2/4	715 1,807 717 592	N	N	N @ 13'	NA	D-66(12.8-13.2) @ 1600	(12'-16.7') Grayish brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
16	0.7/4	846 679	N	N	N @ 16.4'	P (Dull Orange/Red) @ 16.6'		Consistency changes to soft; medium plasticity at 16' bgs.
20								

SOIL BORING LOG

Boring No.: **D-66**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 23-Jun-21 Logger: Ryan Clare
Date Completed: 23-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 76° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	4/4	4.5	N	N				(20'-24') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
21		0.1						
22		0.0						
23		0.0						
24		0.0						
25	4/4	0.0	N	N	N @ 24.8'			(24'-24.9') Grayish brown very fine SAND and SILT; trace fine to medium Sand; trace fine subround Gravel; moist, loose. [TILL] Seams of fine to medium SAND; wet, loose at 24.2'-24.3' bgs and 24.7'-24.9' bgs. (24.9'-29.3') Grayish brown SILT and CLAY; little very fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity. [TILL]
26		0.0						
27		0.0						
28	2.2/4	0.0	N	N				Consistency changes to very soft.
29		0.0						(29.3'-32.2') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
30		0.0						

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SOIL BORING LOG

Boring No.: **D-66**

Project Name:	Seneca Falls PDI					Date Started:	23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 76° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	2.2/4 (cont'd)		N	N				(29.3'-32.2') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
31								
32	0.4/ 1.8	0.1	N	N				(32.2'-32.4') Gray weathered ROCK.
33								
34								Refusal at 33.8' bgs.
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062696.682
	Start dual-tube sampling method at 8' bgs.	East Coor:	766344.105
	UV/DyeLiF Scanning conducted at 8'-33.8' bgs		
	Very poor recovery at 16'-20' bgs.		

ARCADIS

SOIL BORING LOG

Boring No.: **D-70**

Project Name:	Seneca Falls PDI	Date Started: 23-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 23-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 75° to 80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1–4	NA		N	N		NA		Hand cleared to 4' bgs. (0-1') Asphalt on number 2 crushed stone, angular; dry, loose. (1'-4') Clean number 2 stone, angular, moist to wet, very loose. Note: native TILL starts at 4' bgs.
4–8	3.6/4	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	N	N		NA		(4'-7.6') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; moist, dense. [TILL] Till was medium dense to soft at 7'-7.6' bgs.
8–10								Did not run sampler at 8' bgs or deeper. Abandon location.

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062770.065
	* Abandon boring after 4'-8' bgs. interval was collected; Step out to new	East Coor:	766380.627
	location D-77.		

SOIL BORING LOG

Boring No.: **D-71**

Project Name:	Seneca Falls PDI	Date Started: 24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1 2 3 4	NA		N	N		NA		Hand cleared to 4' bgs. (0-0.5') Asphalt. (0.5'-4') Brown very fine to medium SAND; some medium to coarse Gravel; little subround Cobbles; moist, dense. [FILL]
5 6 7 8	3.5/4	0.2 0.9 0.3 0.6 0.3 2.5	N	N		NA		(4'-13.8') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
9 10	3.6/4	37.0 74.1 368 139	N	N			D-71(8-8.5) @ 1040 for TOC	

SOIL BORING LOG

Boring No.: **D-71**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 24-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	9,965	N	Y	N @ 10.2'	P (White) @ 10.4'-11.2'	D-71(10.3-10.7) @ 0940	(4'-13.8') Brown very fine to fine SAND; little Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
11		3,214			N @ 10.5'	P (Orange) @ 10.7'-10.9'		
12		557		N	N @ 10.8'		D-71(10.9-11.5) @ 1050	Seam of CLAY at 11.2'-11.4' bgs. Seam of SAND at 11.4'-11.6' bgs.
13	3.2/4	216 514 278	N	Y (slight)	N @ 13.7'			(13.8'-20') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
14		221						
15		177 318						
16	4/4	108	N	N				
17		88.0 157						
18		101						
19		112 134						
20		98.0 133						

SOIL BORING LOG

Boring No.: **D-71**

Project Name:	Seneca Falls PDI					Date Started:	24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	0/4		NA	NA				No Recovery.
21								
22								
23								
24	4/4	1.6	N	N			D-71(26.3-27) @ 1035	(24'-30.3') Grayish brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
25		2.2						
26		1.6						
27		3.9						
28		9.1						
29	4/4	17.2	N	N				
30		26.3						
		25.2						
		69.2						
		100						
		116						
		63.0						

SOIL BORING LOG

Boring No.: **D-71**

Project Name:	Seneca Falls PDI			Date Started:	24-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	24-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 82° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	4/4 (cont'd)	639	N	N	N @ 30.2'	P (Bright White) @ 31.2')	D-71(30.1-30.7) @ 1255	
31		139			N @ 30.6'			(30.3'-34.3') Reddish brown CLAY; trace Silt; moist, very soft, high plasticity.
		99.1						
32		78.1						
33	3.7/ 2.2	90.1	N	N				
		90.2						
		183						
34		46.2						
								Refusal at 34.2' bgs.
35								(34.3'-34.8') Reddish brown SILT; wet, very soft, rapid dilatancy.
								(34.8'-35') Brown CLAY; moist, very soft.
		47.1						(35'-35.4') Reddish brown SILT; wet, very soft, rapid dilatancy.
36		23.9						(35.'4'-35.7') Reddish brown SILT and CLAY; moist, very soft, high plasticity.
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062711.423
	Start dual-tube sampling method at 12' bgs.	East Coor:	766347.147
	MS/MSD collected on D-71(10.9-11.5).		
	Rock stuck in shoe/basket at 12'-16' bgs interval.		
	UV/DyeLiF Scanning conducted at 8'-34.2' bgs		

ARCADIS

SOIL BORING LOG

Boring No.: **D-72**

Project Name:	Seneca Falls PDI	Date Started: 18-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3/4	0.0 0.0 10.3 6.6 7.6 5.9	N	N		NA		(0'-0.3') Asphalt. (0.3'-1.3') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (1.3'-4.4') Black SOOT/COAL/ASH/CINDER/CREOSITE; moist, to wet, loose. [FILL]
2								
3								
4								
5	3.7/4	4.0 0.8 0.1 2.0 1.4 3.1 2.9	N	N		NA		(4.4'-5.4') Dark olive brown to olive brown SILT; some Clay; little very fine Sand; trace fine to medium subangular to subround Gravel; moist, stiff, medium plasticity. [TILL] (5.4'-16.5') Brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
6								
7								
8	3.8/4	73.5 22.6 4.7 20.8	N	N		NA		
9								
10								

SOIL BORING LOG

Boring No.: **D-72**

Project Name:	Seneca Falls PDI	Date Started: 18-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.8/4 (cont'd)	17.2 9.9 7.6	N	N		NA		(5.4'-16.5') Brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
11								
12	3.6/4	38.9 16.8 5.0 13.3 14.2 17.1 22.3	N	N		NA		
13								
14								
15								
16	3.5/4	22.5 39.4 44.1 38.2 43.6 52.6 35.6	N	N		NA		(16.5'-19') Grayish brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] (19'-19.5') Brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
17								
18								
19								
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-72**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 18-Jun-21 Logger: Ryan Clare
Date Completed: 18-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.8/4	31.7	N	N				(20'-20.4') Grayish brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
21		8.7						(20.4'-23.4') brown very fine to fine SAND; some Silt; little to trace Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
22		11.4						
23		27.2						
24		15.3						
		20.6						
		37.3						(23.4'-26.5') Grayish brown SILT and CLAY; trace very fine Sand; trace fine to medium subangular to subround Gravel; moist, soft. [TILL]
25	3.5/4	88.4	N	Y (very slight)	N @ 26.6'	P (Blue, Yellow) @ 26.55'	D-72(26.5-26.8) @ 1420	Pocket of fine to medium GRAVEL; wet at 24.6'-24.7' bgs.
26		115				P (Light Blue) @ 26.8'-27.5'		
27		507			N @ 27.2'		D-72(27.1) @ 1140	(26.5'-26.8') CLAY and SILT; moist, very soft, high plasticity.
		146						(26.8'-26.9') Brown fine to medium SAND; wet, loose.
		619						(26.9'-28.9') Grayish brown SILT; little Clay; trace very fine Sand; trace fine to medium subangular to subround Gravel; moist, soft. [TILL]
		10,297						
28		4,187						
29	1.6/4	15,000+	N	Y	N @ 28.2' P @ 28.5'	P (Faint Orange, Yellow) @ 28.4'-28.6'	D-72(28.3-28.6) @ 1200	
		3,019		Y (moderate)	N @ 29.2'		D72(29.2-29.6) @ 1210	(28.9'-29.6') Yellowish brown SILT; wet, soft, rapid to slow dilatancy.
30		782			N @ 29.5'			

SOIL BORING LOG

Boring No.: **D-72**

Project Name:	Seneca Falls PDI	Date Started: 18-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30								
31	1.6/4 (cont'd)		N	Y (moderate)				
32	0.5/0.4	1,109	N	N	N @ 32.2'			(32'-32.5') Olive brown weathered Rock; moist to dry, loose.
								Refusal at 32.4' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062541.218
	UV/DyeLiF Scanning conducted at 20'-32.4' bgs	East Coor:	765413.883

ARCADIS

SOIL BORING LOG

Boring No.: **D-73**

Project Name:	Seneca Falls PDI	Date Started: 18-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 18-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 77° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.8/4	0.0 0.0 0.0 4.0 5.2 1.9 2.1	N	N		NA		(0'-0.2') Asphalt. (0.2'-0.8') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.8'-2.2') Dark brown and black SOOT/COAL/ASH/CINDERS; moist, loose. [FILL] (2.2'-3.2') Olive brown to reddish brown SILT and CLAY; trace very fine Sand; trace fine Gravel; moist, stiff, high plasticity. (3.2'-16.6') Brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
5	3.7/4	0.2 4.4 5.8 3.0 0.7 2.0 2.5	N	N		NA		
9	3.6/4	0.0 1.9 0.9 2.0	N	N		NA		Consistency changes from dense to medium dense.

SOIL BORING LOG

Boring No.: **D-73**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 18-Jun-21 Logger: Ryan Clare
Date Completed: 18-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 77° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.6/4 (cont'd)	1.7 2.4 5.5	N	N		NA		(3.2'-16.6') Brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
12	3.7/4	7.0 16.0 17.9 56.6 13.0 18.4 25.5	N	N		NA		Consistency changes to dense.
16	2.9/4	10.7 53.8 80.1 77.5 87.9	N	N		NA		(16.6'-22.1') Grayish brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense to soft. [TILL]
20								

SOIL BORING LOG

Boring No.: **D-73**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 18-Jun-21 Logger: Ryan Clare
Date Completed: 18-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 77° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	2.1/4	318 142 330 386	N	N				(16.6'-22.1') Grayish brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
24	3.5/4	302 386 346 351 634 203 345	N	N	N @ 26.5'		D-73(26.5) @ 1420	(24'-27.5') Grayish brown very fine SILT; some Clay; trace very fine to fine Sand; trace subangular to subround Gravel; medium dense to soft, medium plasticity. [TILL]
28	3.6/4	222 325 132 333	N	N	N @ 28.5'		D-73(29.9-30.3) @ 1445	(28'-29.3') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity.

ARCADIS

SOIL BORING LOG

Boring No.: **D-73**

Project Name:	Seneca Falls PDI			Date Started:	18-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	18-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 77° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	203 351 69.0 224	N	N	N @ 30.1'			(29.3'-30.7') Grayish brown very fine to fine SAND and SILT; some Clay; trace fine to coarse subangular to subround Gravel; moist, stiff, non-plastic. [TILL]
31								(30.7'-31.4') Grayish brown SILT and CLAY; trace very fine to fine Sand; trace fine to coarse subangular to subround Gravel; moist, soft, high plasticity.
								(31.4'-31.6') Grayish brown CLAY; little Silt; moist, very soft, high plasticity.
32	0.8/ 0.6	317 159	N	N	N @ 32.4'		D-73(32-32.3) @1505	(32'-32.3') Yellowish brown CLAY; little Silt; moist, stiff, high plasticity.
								(32.3'-32.8') Olive brown weathered Rock; moist to dry, loose.
33								Refusal at 32.6' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062543.541
	UV/DyeLiF Scanning conducted at 20'-32.6' bgs	East Coor:	765382.292

ARCADIS

SOIL BORING LOG

Boring No.: **D-74**

Project Name:	Seneca Falls PDI	Date Started: 21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.1/4	0.0 0.0 0.0 0.0 0.0 0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-1.5') Gray medium to coarse angular GRAVEL; moist, loose. [Road base] (1.5'-4.5') Black, white, and brown COAL/SOOT/SAND/SLAG; moist, loose. [FILL]
2								
3								
4	3.3/4	0.0 0.0 0.0 0.0 2.9 7.4	N	N		NA		(4.5'-5.6') Dark olive brown SILT and CLAY; trace very fine to fine Sand; trace Organics; moist, stiff, high plasticity. (5.6'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
5								
6								
7								
8	3.7/4	15.1 26.6 31.5 38.3	N	N		NA		
9								
10								

SOIL BORING LOG

Boring No.: **D-74**

Project Name:	Seneca Falls PDI			Date Started:	21-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.7/4 (cont'd)	6.8 9.1 13.6	N	N		NA		(5.6'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	2.7/4	8.4 4.2 2.0 12.6 0.0	N	N		NA		
16	3.9/4	32.4 7.0 9.3 31.5 80.0 55.5 121.2	N	N		NA		Consistency changes to medium dense at 17.7' bgs.
20								

SOIL BORING LOG

Boring No.: **D-74**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 21-Jun-21 Logger: Ryan Clare
Date Completed: 21-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	0.4/4	1.7	N	N		NA		(5.6'-20.4') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, soft. Consistency changed to soft at 20' bgs.
21								
22								
23								
24	3.6/4	325 782 995 1,773 1,192 110 541	N	Y (very slight)	N @ 26'		D-74(26) @ 0935	(24'-28.3') Grayish brown very fine SAND and SILT; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense, medium plasticity. [TILL]
25								
26								
27								
28	3.8/4	783 766 983 864	N	Y (moderate)	N @ 28.5'			(28.3'-28.6') Brown fine to coarse SAND; trace fine to coarse subangular to subround Gravel; moist, loose. (28.6'-30.6') Reddish brown and grayish brown CLAY; little to trace Silt; moist, soft, high plasticity.
29								
30								

SOIL BORING LOG

Boring No.: **D-74**

Project Name:	Seneca Falls PDI			Date Started:	21-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	21-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 72° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.8/4 (cont'd)	792 4,591 3,167 15,000+	N	Y (moderate) Y	N @ 30.7' N @ 31' P @ 31.7'	P (Orange, Light Blue) @ 31.4'-31.8'	D-74(31.4-31.8) @ 1000	(28.6'-30.6') Reddish brown and grayish brown CLAY; little to trace Silt; moist, soft, high plasticity. (30.6'-31.1') Grayish brown very fine SAND and SILT; wet, stiff, slow dilatancy. (31.1'-31.4') Grayish brown very fine SAND and SILT; Some Clay; moist, stiff, medium plasticity. (31.4'-31.8') Grayish brown very fine SAND and SILT; wet, stiff, slow dilatancy.
31								
32	0.2/0.2	6.8	N	N				(32'-32.2') Olive brown weathered Rock; moist, loose.
33								Refusal at 32.2' bgs.
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062541.621
	Did not scan 20'-24' bgs due to low recovery and no PID, odors.	East Coor:	765423.916
	UV/DyeLiF Scanning conducted at 24'-32' bgs		

SOIL BORING LOG

Boring No.: **D-75**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 21-Jun-21 Logger: Ryan Clare
Date Completed: 21-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 75° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	3.1/4	0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-1.4') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
		0.0						
2		2.4						(1.4'-5.1') Black and brown SAND/SLAG/SOOT/COAL; moist, loose. [FILL]
		2.4						
3		0.0						
4								
5	3.3/4	0.0	N	N		NA		
		0.0						
		0.0						(5.1'-6.8') Olive brown CLAY; little Silt; moist, medium stiff, high plasticity.
6		1.1						
		1.8						
7								(6.8'-7.3') Very fine SAND and SILT; little Clay; moist, dense, low plasticity.
		3.9						
8	3.8/4	16.4	N	N		NA		(8'-19.6') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
		10.1						
9		20.2						
		45.8						
10								

SOIL BORING LOG

Boring No.: **D-75**

Project Name:	Seneca Falls PDI					Date Started:	21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 75° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.8/4 (cont'd)	14.4 17.5 12.2	N	N		NA		(8'-19.6') Brown very fine to fine SAND; little Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
12	3.8/4	103 93.3 38.0 19.5 98.1 60.7 56.7	N	N		NA		
16	3.6/4	71.5 59.0 89.7 43.3 84.8 74.4 124	N	N		NA		
20								

ARCADIS

SOIL BORING LOG

Boring No.: **D-75**

Project Name:	Seneca Falls PDI					Date Started:	21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 75° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.6/4	217 159 256 69.2 315 240 133	N	N	N @ 22.5'			(20'-30.8') Grayish brown SILT and very fine to fine SAND; trace fine to coarse subangular to subround Gravel; trace Clay; moist, soft. [TILL]
24	3.5/4	674 759 1,686 1,582 2,944 1,808 883	N	Y (slight to moderate)	N @ 25.5' N @ 26.5'		D-75(26-27) @ 1310	
28	3.4/ 3.8	2,947 2,008 642 233	N	Y (moderate)	N @ 28.8' N @ 29.7'	P (Dull Red) @ 29.9'		
30								

ARCADIS

SOIL BORING LOG

Boring No.: **D-75**

Project Name:	Seneca Falls PDI					Date Started:	21-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	21-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 75° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.4/ 3.8 (cont'd)	704 2,932	N	Y (moderate)	N @ 31'		D-75(31-31.8) @ 1450	(30.8'-31.1') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL] (31.1'-31.3') Brown CLAY; little Silt; moist, soft, high plasticity. (31.3'-31.4') Weathered Rock.
31								
32								Refusal at 31.8' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.
Driller:	Thomas Mangefrida
Drilling Method:	Direct Push (Geoprobe 7822DT)
Drilling Fluid:	NA
Remarks/ Abandonment:	NA = Not Applicable; bgs = below ground surface. Hydrated medium bentonite chips to just below grade; cold patch asphalt surface completion. Duplicate sample 'DUP-03-20210621' collected at D-75(26-27). MS/MSD sample collected at D-75(31.3-31.8) UV/DyeLiF Scanning conducted at 20'-31.8' bgs

Sampling Method:	Macrocore
Sampling Interval:	continuous
Water Level Start:	NA
Water Level Finish:	NA
Converted to Well:	☐ Yes ☑ No
Surface Elev:	NA
North Coor:	1062545.706
East Coor:	765432.744

ARCADIS

SOIL BORING LOG

Boring No.: **D-76**

Project Name:	Seneca Falls PDI	Date Started: 22-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.7/4	0.0 0.0 0.0 0.0 0.4	N	N		NA		(0'-0.2') Asphalt. (0.2'-1') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
2								(1'-4.2') Black SOOT/COAL/SLAG; moist, loose. [FILL]
3								Dark red and light orange brick-like material at 2.3'-2.6' bgs.
4								
5	3.8/4	0.0 0.0 0.0 1.7 9.2 4.8 8.8	N	N		NA		(4.2'-6.2') Dark olive gray grading to olive brown CLAY and SILT; trace fine Gravel; trace Organics; moist, soft, high plasticity.
6								
7								(6.2'-7.8') Reddish brown SILT; little Clay; little very fine Sand; moist, soft, medium plasticity.
8	3.9/4	11.5 7.4 4.0 13.0	N	N		NA		(8'-28') Brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense to very dense. [TILL]
9								
10								

SOIL BORING LOG

Boring No.: **D-76**

Project Name:	Seneca Falls PDI	Date Started: 22-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 22-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.9/4 (cont'd)	1.6 12.7 36.8	N	N		NA		(8'-28') Brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense to very dense. [TILL]
12	3.9/4	18.4 17.8 10.4 8.1 11.4 10.9 6.6	N	N		NA		Consistency changes to dense at 12' bgs.
16	3.6/4	156 127 48.7 155 64.0 254 320	N	N	N @ 19.5'	NA		
20								

SOIL BORING LOG

Boring No.: **D-76**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 22-Jun-21 Logger: Ryan Clare
Date Completed: 22-Jun-21 Editor: Ryan Clare
Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	3.9/4	3,616 849 724 908 585 368 362	N	N (slight odor; see notes) N	P (trace) @ 20.4' P (trace) @ 20.5' P (trace) @ 20.8'	P (Bright White) @ 20.2'21.1'	D-76(20.3-20.7) @ 1125	(8'-28') Brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
24	3.3/4	177 224 176 938 406 488	N	N	N @ 24.5' N @ 25.2' N @ 25.8' N @ 26'	P (White) @ 24.5',24.6' P (White) @ 25.2,25.8'	D-76(25.5-25.8) @ 1340	
28	3.6/4	1,499 1,544 1,112 1,451	N	N	N @ 29'		D-76(28.6-29.2) @ 1155	(28'-31.6') Grayish brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
30								

SOIL BORING LOG

Boring No.: **D-76**

Project Name:	Seneca Falls PDI					Date Started:	22-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	22-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Overcast; 60° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.6/4 (cont'd)	580 890 641	N	N				(28'-31.6') Grayish brown very fine to fine SAND; some Silt; little fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
31								
32	0.2/0.1	40.1	N	N				(32'-32.2') Olive brown weathered Rock. Refusal at 32.1' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☑ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062552.159
	Slight rainbow sheen on surface of water in shake test jars from tests	East Coor:	765429.187
	performed at 20.4' and 20.5' bgs. Slight petroleum-like odor at same depths.		
	UV/DyeLiF Scanning conducted at 20'-32' bgs		

ARCADIS

SOIL BORING LOG

Boring No.: **D-77**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 23-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 75°/80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
1	2.4/4	0.0 9.0 2.1 0.0	N	N		NA		(0'-0.3') Asphalt. (0.3'-1') Gray medium to coarse angular GRAVEL; wet, loose. [Road base] (1'-2.4') Olive brown to brown very fine to fine SAND and SILT; little to some Clay; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
2								
3								
4	3.1/4	0.0 0.0 0.0 0.0 0.0 0.0	N	N	N @ 6.5'	NA		(4'-7.1') Brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL] Fractured micaceous Rock; dry, loose, at 6.5'-6.7' bgs.
5								
6								
7								
8	3.9/4	0.0 1.0 4.3 7.2	N	N		NA		(8'-14.7') Grayish brown grading to reddish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. [TILL]
9								
10								

SOIL BORING LOG

Boring No.: **D-77**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 23-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 75°/80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.9/4 (cont'd)	8.2	N	N		NA		(8'-14.7') Grayish brown grading to reddish brown very fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; moist, dense. Little Clay at 10.4'-11.9' bgs. [TILL]
11		7.9						
		18.4						
12		13.1						
	4/4	6.0	N	N		NA		
13		8.2						
		11.1						
14		7.2						
		7.4						
15		6.6						(14.7'-16') Grayish brown very fine SAND and SILT; some Silt; trace fine to coarse subangular to subround Gravel; moist, soft. [TILL]
		3.5						
16		7.8						
	3.9/4	9.4	N	N	N @ 18'	P (White) @ 16.3'		(16'-19.9') Grayish brown very fine SAND and SILT; some Silt; trace fine to coarse subangular to subround Gravel; moist, soft to very soft. [TILL]
17		4.6						
		9.9						
18		4.0						
		4.0						
19		0.8						
		0.0						
20								

SOIL BORING LOG

Boring No.: **D-77**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 23-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 75°/80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	4/4	0.0	N	N	N @ 21'			(20'-24') Grayish brown SILT and very fine SAND; little Clay; moist, medium dense, medium plasticity. [TILL]
21		0.0						
22		0.0						
23		0.0						
24		0.0						
25	4/4	0.0	N	N	N @ 27'			(24'-30.9') Grayish brown SILT; some Clay; little very fine Sand; moist, medium dense, medium plasticity. [TILL]
26		0.0						
27		0.0						
28	4/3.6	0.0	N	N				Consistency becomes very soft at 28' bgs.
29		0.0						
30		0.0						

ARCADIS

SOIL BORING LOG

Boring No.: **D-77**

Project Name:	Seneca Falls PDI			Date Started:	23-Jun-21	Logger:	Ryan Clare
Project Number:	30058452.00045			Date Completed:	24-Jun-21	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY					Weather Conditions:	Sunny; 75°/80° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	4/3.6 (cont'd)	0.0	N	N				(24'-30.9') Grayish brown SILT; some Clay; little very fine Sand; moist, very soft, medium plasticity. [TILL]
		0.0						
31		0.8					D-77(31.2-31.8) @ 0905	(30.9'-31.5') Reddish brown and gray CLAY; moist, very soft, high plasticity. (31.5'-32') Reddish brown SILT; trace Clay; wet to moist, soft. Trace weathered Rock in sample shoe.
32								Refusal at 31.6' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062777.997
	6/23/2021, 0'-12' bgs; 6/24/2021, 12'-31.6' bgs.	East Coor:	766396.749
	Start dual-tube sampling method at 12' bgs.		
	Duplicate sample 'DUP-04-20210624' collected at D-77(31.2-31.8).		
	UV/DyeLiF Scanning conducted at 16'-31.6' bgs		

SOIL BORING LOG

Boring No.: **D-78**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 24-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
0								(0'-0.3') Asphalt. (0.3'-1.1') Gray medium to coarse angular GRAVEL; dry, loose. [Road base]
1	3/4	3.4	N	N	P @ 2.9' (pink ball)	P (White-Blue, Orange) @ 1.9'-2.1'	D-78(1.9-2.2) @ 1010 on 6/25/2021	(1.1'-4.5') Brown to black SOOT/COAL/CREOSOTE/SLAG; moist to wet, loose. [FILL]
2		20.6						
3		116		N (moderate petroleum-like odor)		P (White-Blue) @ 2.8'-3.1'	D-78(2.8-3) @ 1145 D-78(2.8-3.1) @ 1000 on 6/25/2021	Moderate petroleum-like odor at 2.4'-4.5' bgs.
4		294						
5	3.8/4	86.8	N	N		NA		(4.5'-5.1') Dark olive gray CLAY and SILT; trace Organics; trace very fine Sand; moist, soft, medium plasticity.
6		48.2						(5.1'-17.6') Reddish brown to brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
7		40.0						
8		16.5						
9	3.5/4	15.1	N	N		NA		Consistency changes to medium dense at 8' bgs.
10		7.3						
		7.4						
		42.0						
		49.0						
		98.0						
		45.6						

SOIL BORING LOG

Boring No.: **D-78**

Project Name:	Seneca Falls PDI	Date Started: 24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045	Date Completed: 24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY		Weather Conditions: Sunny; 78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
10	3.5/4 (cont'd)	22.1 52.1 31.5	N	N		NA		(5.1'-17.6') Brown very fine to fine SAND; some Silt; trace fine to coarse subangular to subround Gravel; trace Clay; moist, medium dense. [TILL]
12	3.6/4	25.0 43.4 57.6 60.1 27.0 28.0 23.0	N	N		NA		Consistency changes to very dense at 12' bgs.
16	4/4	10.3 11.9 24.4 15.3 21.4 14.8 14.1 11.2	N	N				(17.6'-21.4') Brown very fine to fine SAND; some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]

SOIL BORING LOG

Boring No.: **D-78**

Project Name: Seneca Falls PDI
Project Number: 30058452.00045
Project Location: 50 Johnston Street, Seneca Falls, NY

Date Started: 24-Jun-21 Logger: Ryan Clare
Date Completed: 24-Jun-21 Editor: Ryan Clare
Weather Conditions: Sunny; 78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
20	4/4	13.5	N	N				(17.6'-21.4') Brown very fine to fine SAND; some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
21		12.1						
		8.5						(21.4'-29.7') Grayish brown very fine to fine SAND; some Silt; little Clay; trace fine to coarse subangular to subround Gravel; moist, medium dense. [TILL]
22		18.0						
		21.3						
23		13.0						
		16.4						
		21.1						
24	4/4	31.7	N	N		P (Blue/White) @ 24'		Consistency changes to dense at 26' bgs.
25		20.7						
		28.6						
26		31.3						
		30.2						
		20.7						
27		72.1			N @ 27.5'		D-78(27.4-27.8) @ 1240	
		62.8						
28	3.9/ 3.6	124	N	N				
		103						
29		79.6						
		97.3						
30								

SOIL BORING LOG

Boring No.: **D-78**

Project Name:	Seneca Falls PDI					Date Started:	24-Jun-21	Logger: Ryan Clare
Project Number:	30058452.00045					Date Completed:	24-Jun-21	Editor: Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY							Weather Conditions: Sunny; 78° F

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	UV Positive (P) Color	Sample ID & Time	Description
30	3.9/ 3.6 (cont'd)	73.6	N	N				(29.7'-31.5') Reddish brown and grayish brown CLAY; trace to little Silt; moist, very soft, high plasticity.
31		67.1			N @ 31.4'			
		149			N @ 31.5'		D-78(31.3-31.8) @ 1255	(31.5'-31.9') Olive and reddish brown weathered Rock; wet, loose.
		13.0			N @ 31.9'			
32								Refusal at 31.6' bgs.
33								
34								
35								
36								
37								
38								
39								
40								

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore / Dual-Tube
Driller:	Thomas Mangefrida	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	NA = Not Applicable; bgs = below ground surface.	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; cold patch	Surface Elev:	NA
	asphalt surface completion.	North Coor:	1062573.453
	Start dual-tube sampling method at 16' bgs.	East Coor:	765430.670
	UV/DyeLiF Scanning conducted at intervals 0'-4' and 16'-31.6' bgs		

ARCADIS

SOIL BORING LOG

Boring No.: **S-01**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.6/4	1.7	N	N	NA	S-01(1) @1120	(0-0.4') Light brown Topsoil; moist, loose. (0.4'-1.1') Brown very fine SAND; some Silt; little medium angular Gravel; moist, very dense. [FILL] CLAY at 0.9' to 1.1' bgs. (1.1'-2.2') Reddish brown SILT and very fine SAND; trace fine Sand; trace fine to medium angular Gravel; trace Clay; moist, stiff to soft. [FILL]
2							
		3.8					(2.2'-2.6') Olive brown SILT; little fine Sand; trace fine angular Gravel; wet, soft. [FILL]
3						S-01(3.5) @1120	
4	2/2	6.1	N	N	NA		(4'-4.9') Olive brown very fine to fine SAND; some Silt; little fine to medium angular Gravel; wet, loose.
5		4.8					(4.9'-6') Light reddish brown SILT and CLAY; trace to little fine to medium subround Gravel; dry, very stiff. [TILL]
6							Boring terminated at 6' bgs.
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062596.80
		East Coor:	765379.04

ARCADIS

SOIL BORING LOG

Boring No.: **S-02**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.3/4	5.0	N	N	NA	S-02(0.5) @1145	(0-0.5') Light brown Topsoil with fine to medium angular Gravel; dry, loose.
						S-02(1.0) @1145	(0.5'-1.6') Black and light grey SLAG; moist to wet, loose. Wet at 1.2' bgs. [FILL]
2		8.1					(1.6'-2.3') Olive brown SILT; little Clay; trace very fine Sand; trace Organics; moist, soft, medium plasticity.
3		7.3					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062592.16
		East Coor:	765379.75

SOIL BORING LOG

Boring No.: **S-03**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.7/4	12.9	N	N	NA	S-03(0.5) @1210	(0-0.2') Asphalt. (0.2'-0.5') Gray fine to coarse angular GRAVEL; dry, loose. (0.5'-0.9') Dark reddish brown SILT; little very fine to fine Sand; trace Clay; moist, stiff. [FILL]
2		37.5				S-02(1) @1210	(0.9'-1.6') Black SLAG; moist to wet, loose. [FILL] Wet starting at 1.2' bgs. (1.6'-2.7') Olive brown SILT and CLAY; trace very fine Sand; moist and dry, stiff, low to medium plasticity.
3		4.2					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062587.61
		East Coor:	765380.38

SOIL BORING LOG

Boring No.: **S-04**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	1.7/4	3.3	N	N	NA	S-04(0.4) @1305	(0-0.8') Brown fine to medium SAND; trace fine to medium angular to round Gravel; dry, loose.
						S-04(0.7) @1305	(0.8'-1.1') Reddish brown SILT; little very fine to fine Sand; trace Clay; wet, medium dense. [FILL]
2		5.3					(1.1'-1.2') Concrete; wet, loose. [FILL]
							(1.2'-1.7') Olive brown SILT and CLAY; trace Organics; moist, stiff, medium plasticity.
3							
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062597.52
		East Coor:	765385.25

SOIL BORING LOG

Boring No.: **S-05**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.1/4	4.3	N	N	NA	S-05(0.6) @1435	(0-0.5') Greyish brown fine to medium SAND; some fine to medium angular Gravel; dry, loose.
							(0.5'-1.1') Dark reddish brown very fine to fine SAND; little Slag; trace Silt; moist, loose. [FILL]
						S-05(1.3) @1435	(1.1'-2') Black SLAG; moist to wet, loose. [FILL] Wet from 1.6' to 2' bgs.
2		14.1					(2'-3.1') Olive brown SILT; little Clay; trace very fine Sand; trace Organics; moist, stiff, medium plasticity.
3		7.4					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	MS/MSD collected from S-05 (1.3)	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062587.56
		East Coor:	765387.11

SOIL BORING LOG

Boring No.: **S-06**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	1.8/4	2.4	N	N	NA	S-06(0.5) @1340	(0-0.2') Dark brown Topsoil. (0.2'-1.6') Light brown fine to coarse SAND; little fine to medium angular to subround Gravel; moist, loose. [FILL] Wet starting at 1.4' bgs.
2		4.2				S-06(1.3) @1340	(1.6'-1.8') Olive brown SILT and CLAY; trace very fine Sand; wet to moist, soft.
3							
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/	DUP-01_20200914 collected from S-06 (0.5)	Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062597.60
		East Coor:	765389.48

SOIL BORING LOG

Boring No.: **S-07**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3/4	4.7	N	N	NA	S-07(0.5) @1355	(0-0.6') Grayish brown fine to medium SAND and fine to medium angular GRAVEL; trace Silt; trace Roots; dry, loose.
							(0.6'-1.1') Dark olive brown very fine to fine SAND; little Slag and Soot; moist, loose. [FILL]
2						S-07(1.5) @1355	(1.1'-2.1') Black SLAG; moist to wet, loose. [FILL] Wet from 1.6' to 2.1' bgs.
		13.2					(2.1'-3) Olive brown SILT; little Clay; trace Organics; moist, stiff, medium plasticity.
3							
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062593.04
		East Coor:	765390.57

SOIL BORING LOG

Boring No.: **S-08**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.2/4	4.9	N	N	NA	S-08(0.5) @1420	(0-0.6') Grayish brown fine to coarse SAND; little fine to medium angular Gravel; dry, loose.
							(0.6'-1') Dark reddish brown very fine to fine SAND; trace Silt; trace Slag; moist, loose. [FILL]
						S-08(1.3) @1420	(1'-2.1') Black SLAG; moist to wet, loose. [FILL] Wet from 1.7' bgs to 2.1' bgs.
2		9.0					(2.1'-3.2') Olive brown SILT; little Clay; trace very fine Sand; trace fine to medium angular Gravel; moist, stiff.
3		5.4					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062588.14
		East Coor:	765391.34

SOIL BORING LOG

Boring No.: **S-09**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	22.1	N	N	NA	S-09(0.5) @1505	(0-0.2') Asphalt. (0.2'-0.5') Gray very fine to fine SAND and fine to medium angular GRAVEL; dry, loose. [FILL] (0.5'-0.9') Wood; Railroad tie. (0.9'-1.8') Black SLAG; moist to wet, loose. [FILL] Wet from 1.6' to 1.8' bgs.
2						S-09(1.3) @1505	(1.8'-3.3') Olive brown SILT; little Clay; trace very fine Sand; moist, very stiff, medium plasticity.
3		4.6					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062587.01
		East Coor:	765375.52

SOIL BORING LOG

Boring No.: **S-10**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.7/4	17.2	N	N	NA	S-10(1) @1530	(0-0.2') Asphalt. (0.2'-0.8') Grayish brown fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. [FILL] (0.8'-1.9') Black SLAG; little fine Sand; trace fine to coarse angular Gravel; moist, dense to loose. [FILL]
2							(1.9'-3.7') Olive brown SILT; little grading to some Clay; trace very fine Sand; moist, stiff.
3		3.7					
4						S-10(4) @1530	
5	2/2	6.0	N	N	NA		(4'-6') Brown SILT; little very fine to fine Sand; little Clay; trace fine to medium angular to subround Gravel; moist, very stiff. [TILL]
6							Boring terminated at 6' bgs.
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062577.89
		East Coor:	765381.26

SOIL BORING LOG

Boring No.: **S-11**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3.3/4	17.2	N	N	NA	S-11(0.5) @1550	(0-0.8') Grayish brown fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose.
2		9.8				S-10(1.3) @1550	(0.8'-1.7') Black SLAG; moist to wet, loose. [FILL]
3							Wet from 1.4' to 1.7' bgs.
4							(1.7'-3.3') Olive brown SILT; trace grading to little Clay; trace very fine Sand; moist, stiff to very stiff.
5							Boring terminated at 4' bgs.
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062587.10
		East Coor:	765370.52

SOIL BORING LOG

Boring No.: **S-12**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.8/4	6.0	N	N	NA	S-12(0.8) @1605	(0-0.2') Topsoil. (0.2'-0.6') Gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose. (0.6'-2.3') Black SLAG; moist to wet, loose. [FILL]
2		6.7				S-12(1.6) @1605	Wet from 1.8' to 2.3' bgs. (2.3'-2.8') Olive brown SILT; little Clay; trace very fine Sand; moist, medium plasticity.
3							
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062591.91
		East Coor:	765376.01

ARCADIS

SOIL BORING LOG

Boring No.: **S-13**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	14-Sep-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	14-Sep-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	65° F; sunny

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
0	3.7/4	5.9	N	N	NA	S-13(0.3) @1620	(0-0.2') Asphalt. (0.2'-0.8') Dark gray to gray fine to coarse SAND and fine to coarse angular GRAVEL; dry, loose.
1		20.8				S-13(0.9) @1620	(0.8'-1.8') Black SLAG; moist to wet, loose. [FILL] Wet from 1' to 1.8' bgs.
2							(1.8'-3.2') Olive brown to light olive brown SILT; little to some Clay; trace very fine Sand; moist, stiff to very stiff.
3							(3.2'-3.7') Olive brown SILT; little Clay; little very fine Sand; trace fine to medium subround Gravel, moist, soft.
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062577.90
		East Coor:	765375.84

SOIL BORING LOG

Boring No.: **S-14**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	57° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.5/4	0.8 8.3	N	N	NA	S-14 (0.4-0.6) @1115 S-14 (0.6-0.8) @1120	(0-0.2') Topsoil (0.2'-0.6') Dark gray fine to coarse SAND and fine to coarse angular GRAVEL; moist, loose. (0.6'-1.1') Black and orange SLAG; moist to wet; loose. [FILL]. Wet from 0.8' to 1.1' bgs. (1.1'-2.5') Olive brown SILT; little Clay; little very fine to fine Sand; trace fine Gravel; moist, stiff.
2							
3							
4							
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062592.02
		East Coor:	765368.72

SOIL BORING LOG

Boring No.: **S-15**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.3/4	5.0 8.1 7.3	N	N	NA	S-05 (0.5-0.7) @1135	(0-0.3') Asphalt. (0.3'-0.6') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.6'-0.7') Dark gray very fine to medium SAND; little fine Gravel; little Silt; moist, loose. [FILL] (0.7'-1.4') Black and dark brown SLAG and SOOT; moist to wet, medium dense. Glass fragment at 1.2' bgs. (1.4'-3.1') Olive gray discolored, grading to reddish brown very fine SAND and SILT; trace Clay; trace fine to coarse angular to subround Gravel; moist, dense. [TILL]
2							
3							
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062572.70
		East Coor:	765381.42

SOIL BORING LOG

Boring No.: **S-16**

Sheet : 1 of 1

Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	3/4	1.9	N	N	NA	S-16 (1.1-1.3) @ 1205	(0-0.3') Asphalt. (0.3'-0.7') Gray medium to coarse angular GRAVEL; dry, loose. [Road base] (0.7'-2') Dark brown and black SLAG and SOOT; some fine to medium Sand; moist and wet, loose and dense. Wet from 0.7' to 1.1' bgs.
2		8.8					Wet from 1.8' to 2' bgs.
3		2.3					(2'-3') Reddish brown to olive brown very fine SAND and SILT; trace fine to coarse subangular to subround Gravel; trace Clay; moist, dense. [TILL]
4		0.0					Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062577.72
		East Coor:	765387.49

SOIL BORING LOG

Boring No.: **S-17**

Sheet : 1 of 1

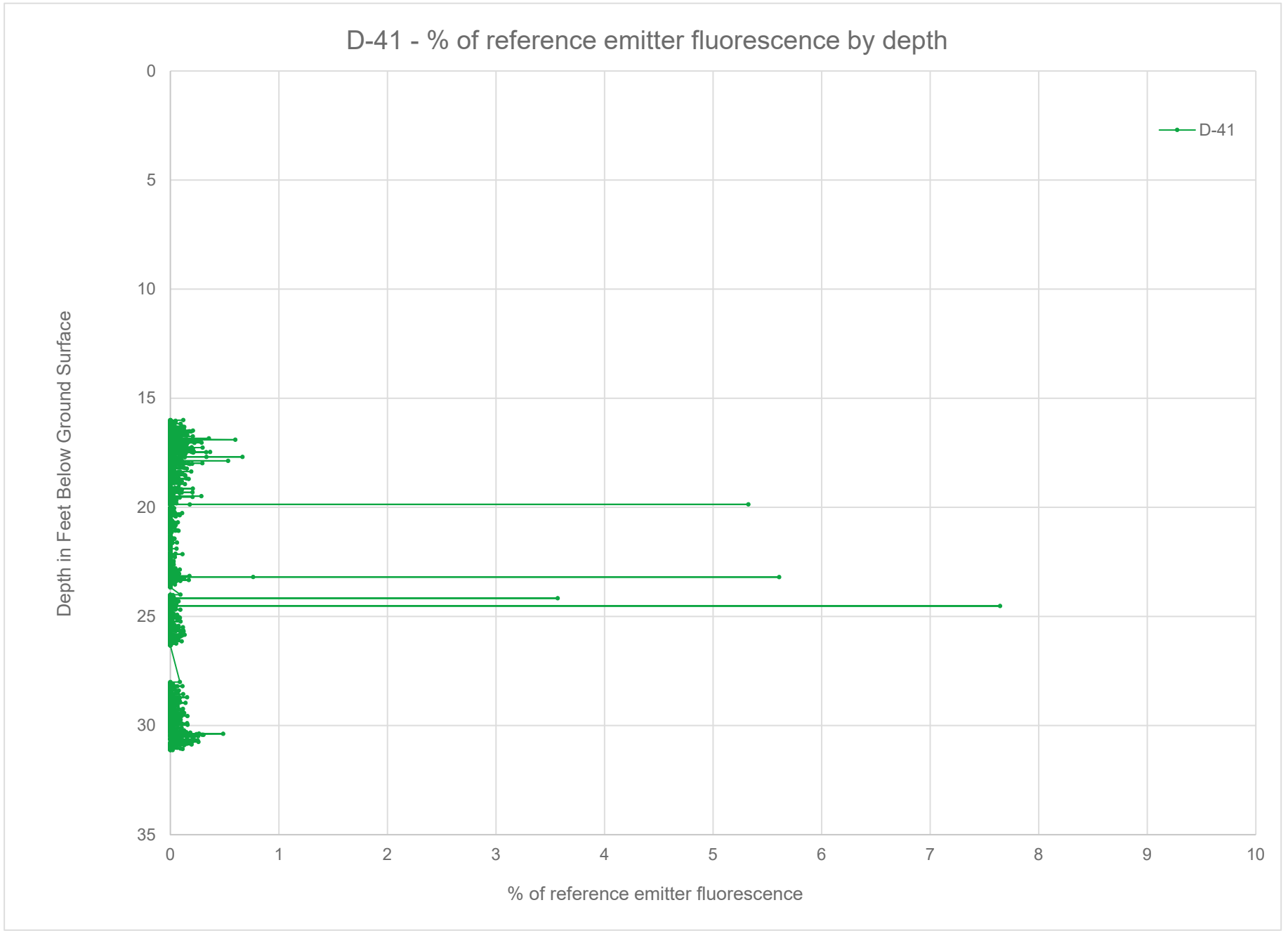
Project Name:	Seneca Falls PDI	Date Started:	2-Oct-20	Logger:	Ryan Clare
Project Number:	30058452.00045	Date Completed:	2-Oct-20	Editor:	Ryan Clare
Project Location:	50 Johnston Street, Seneca Falls, NY			Weather Conditions:	60° F; partly cloudy

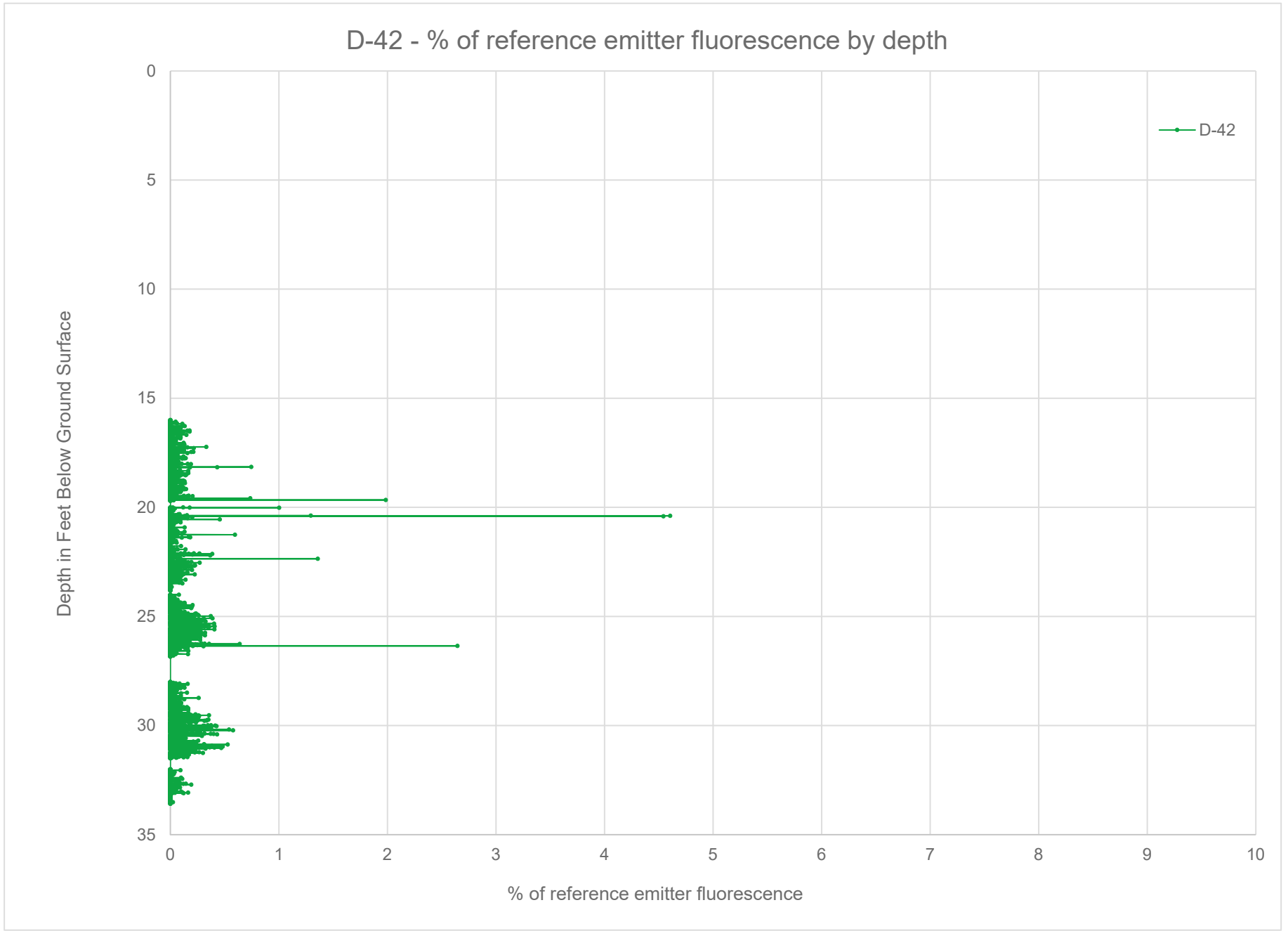
Depth (feet)	Recovery (feet)	PID (ppm)	DNAPL Visible (Y/N) and Type	Strong Solvent Odors (Y/N)	Shake Test: Positive (P); Negative (N)	Sample ID & Time	Description
1	2.7/4	1.1	N	N	NA	S-17(0.6) @ 1220	(0-0.3') Topsoil (0.3'-0.5') Gray medium to coarse angular GRAVEL; moist, loose. [Road base]
		3.8				S-17 (0.7-0.9) @ 1225	(0.5'-1.7') Dark brown and black SLAG and SOOT; some fine to medium Sand; moist to wet, loose. [FILL] Wet from 1' to 1.7' bgs.
2		16.4					(1.7'-2.7') Olive brown SILT; some very fine to fine Sand; trace Organics; trace Clay; trace fine to medium subangular to subround Gravel; moist, medium stiff to soft.
3		1.7					
4							Boring terminated at 4' bgs.
5							
6							
7							
8							
9							
10							

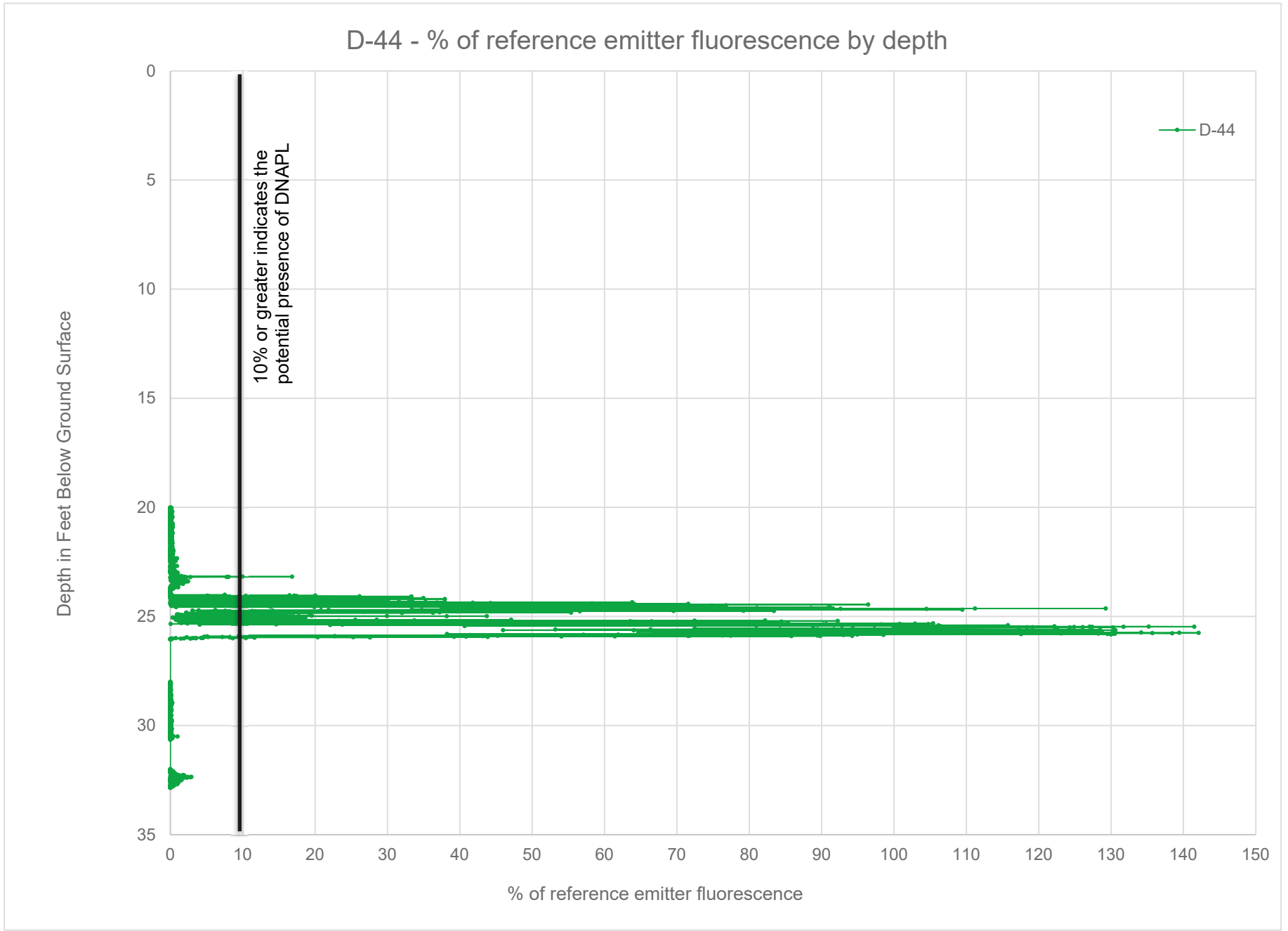
Drilling Co.:	Nothnagle Drilling Inc.	Sampling Method:	Macrocore
Driller:	Jeff Schweitzer	Sampling Interval:	continuous
Drilling Method:	Direct Push (Geoprobe 7822DT)	Water Level Start:	NA
Drilling Fluid:	NA	Water Level Finish:	NA
Remarks/		Converted to Well:	☐ Yes ☑ No
Abandonment:	Hydrated medium bentonite chips to just below grade; soil surface completion.	Surface Elev:	NA
		North Coor:	1062593.63
		East Coor:	765395.40

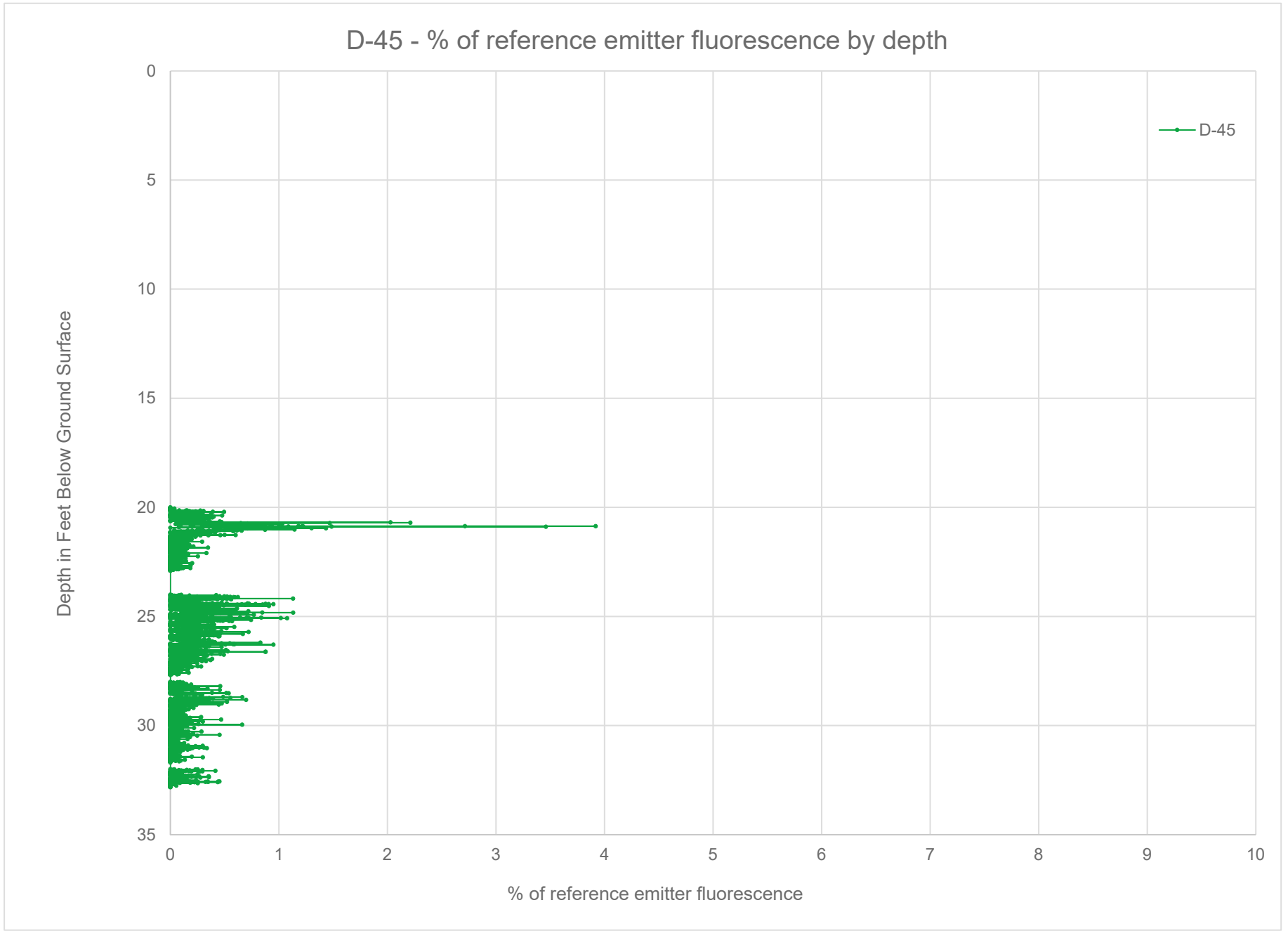
Appendix E

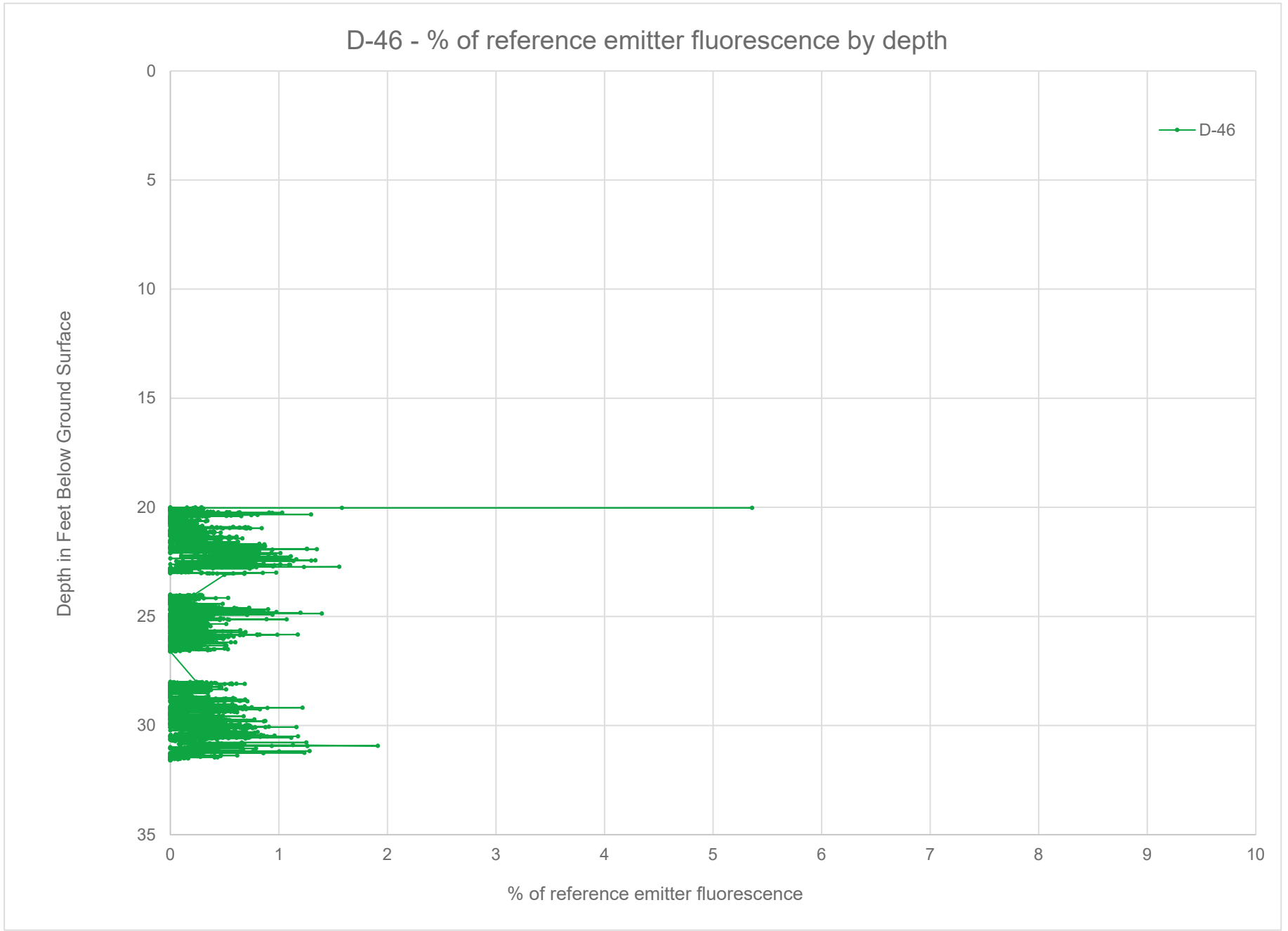
DyeLIF Data

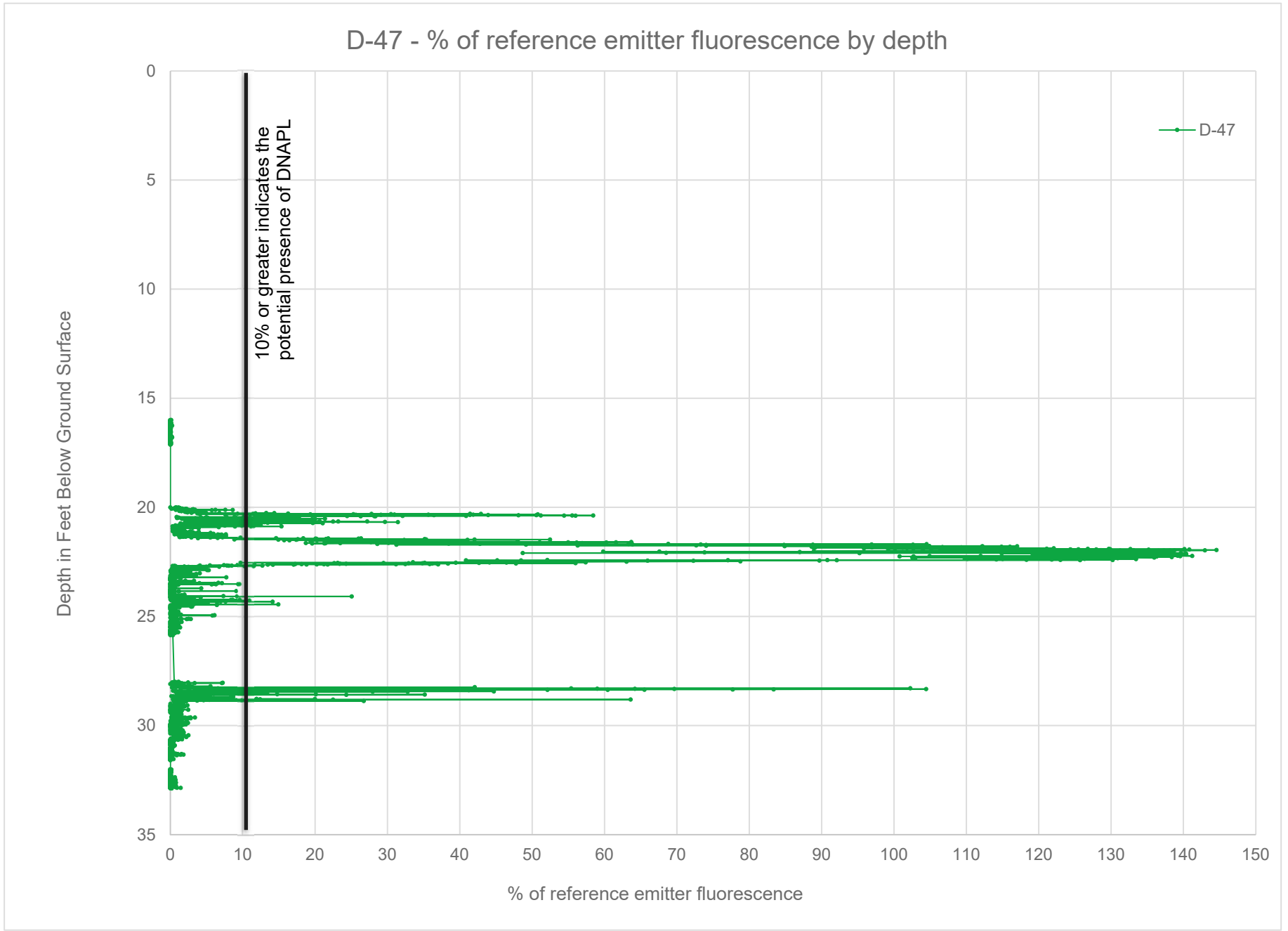

D-41 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-41

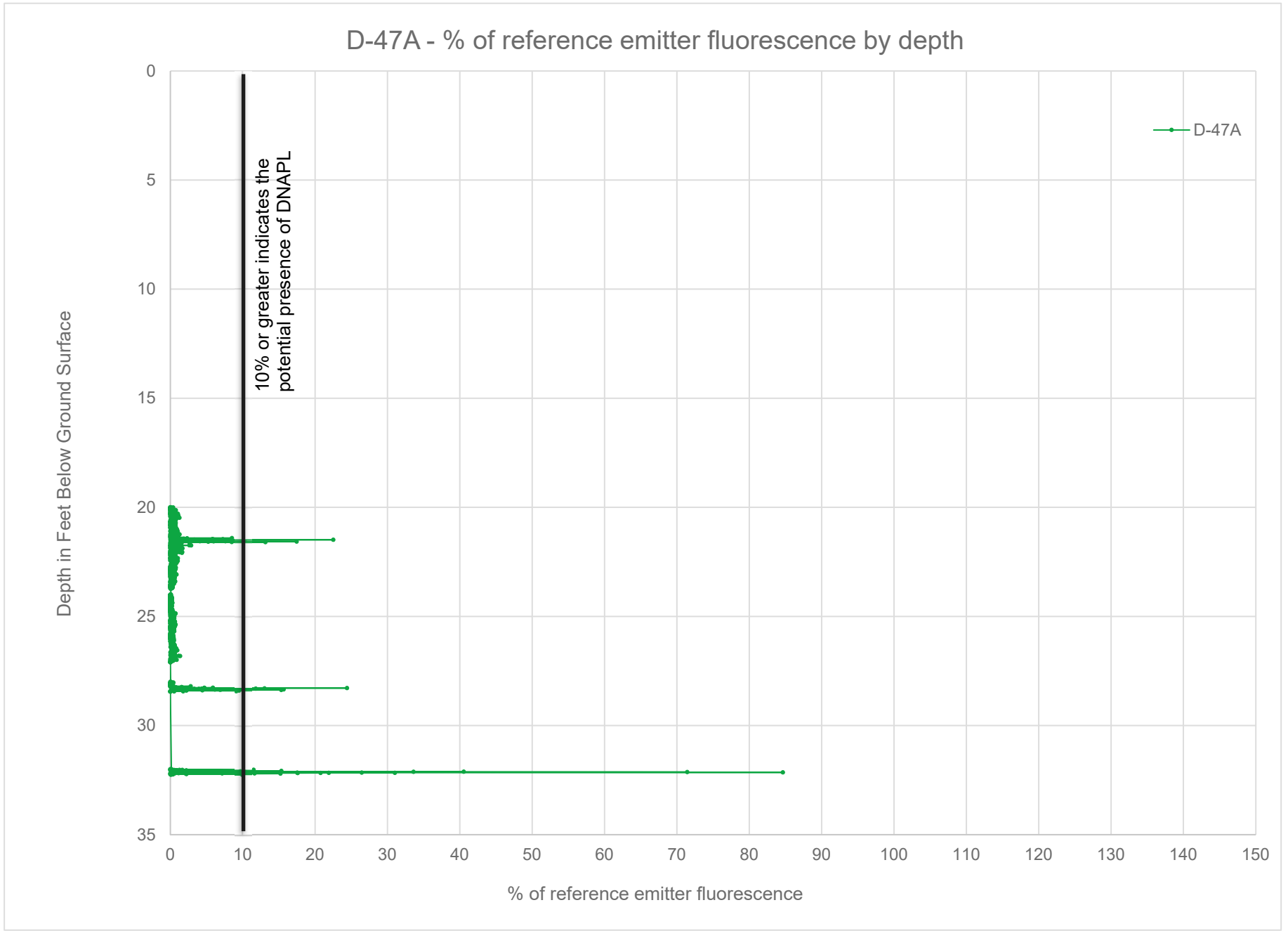

D-42 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-42

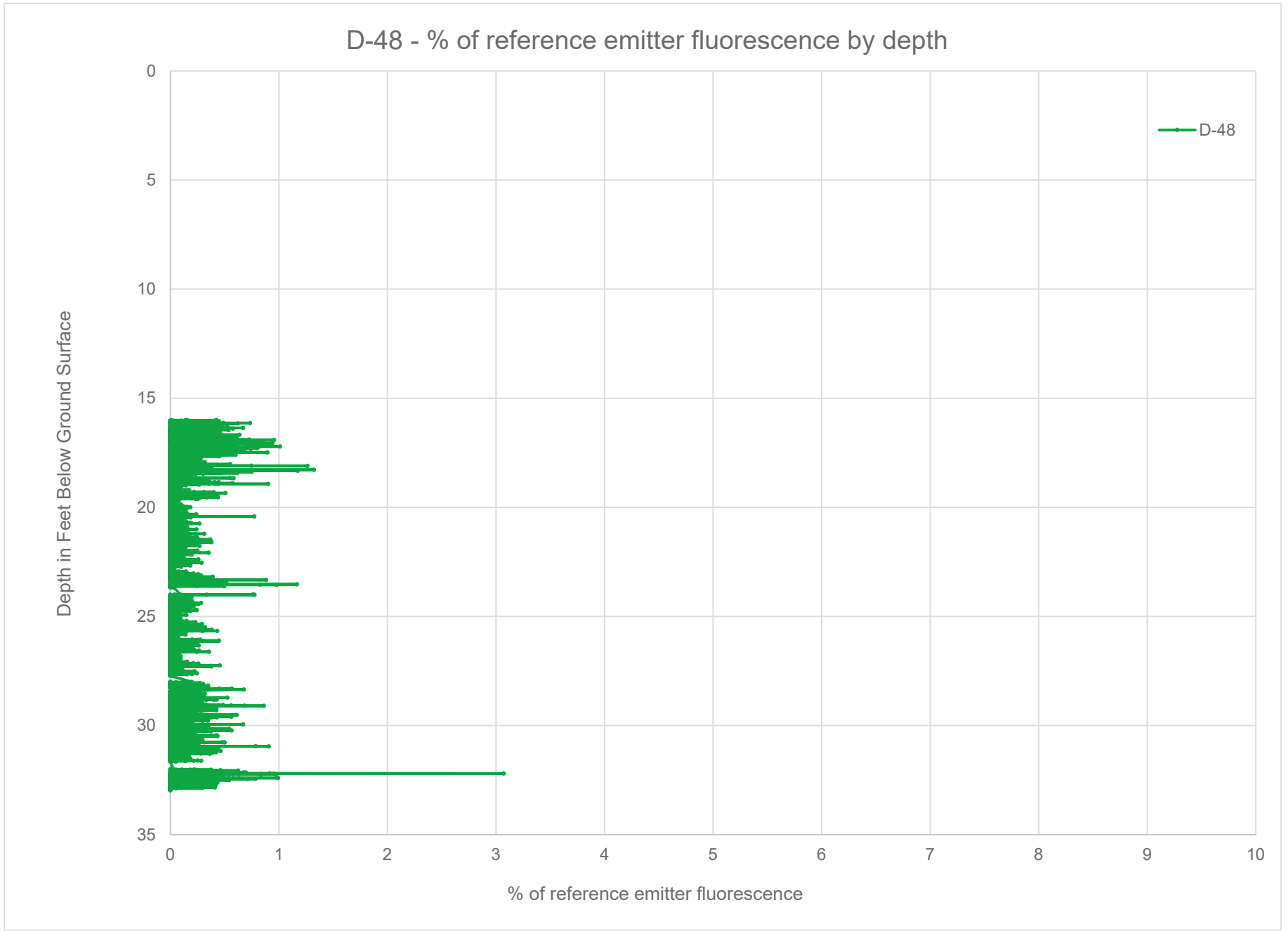

D-44 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
10% or greater indicates the potential presence of DNAPL
D-44
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
% of reference emitter fluorescence

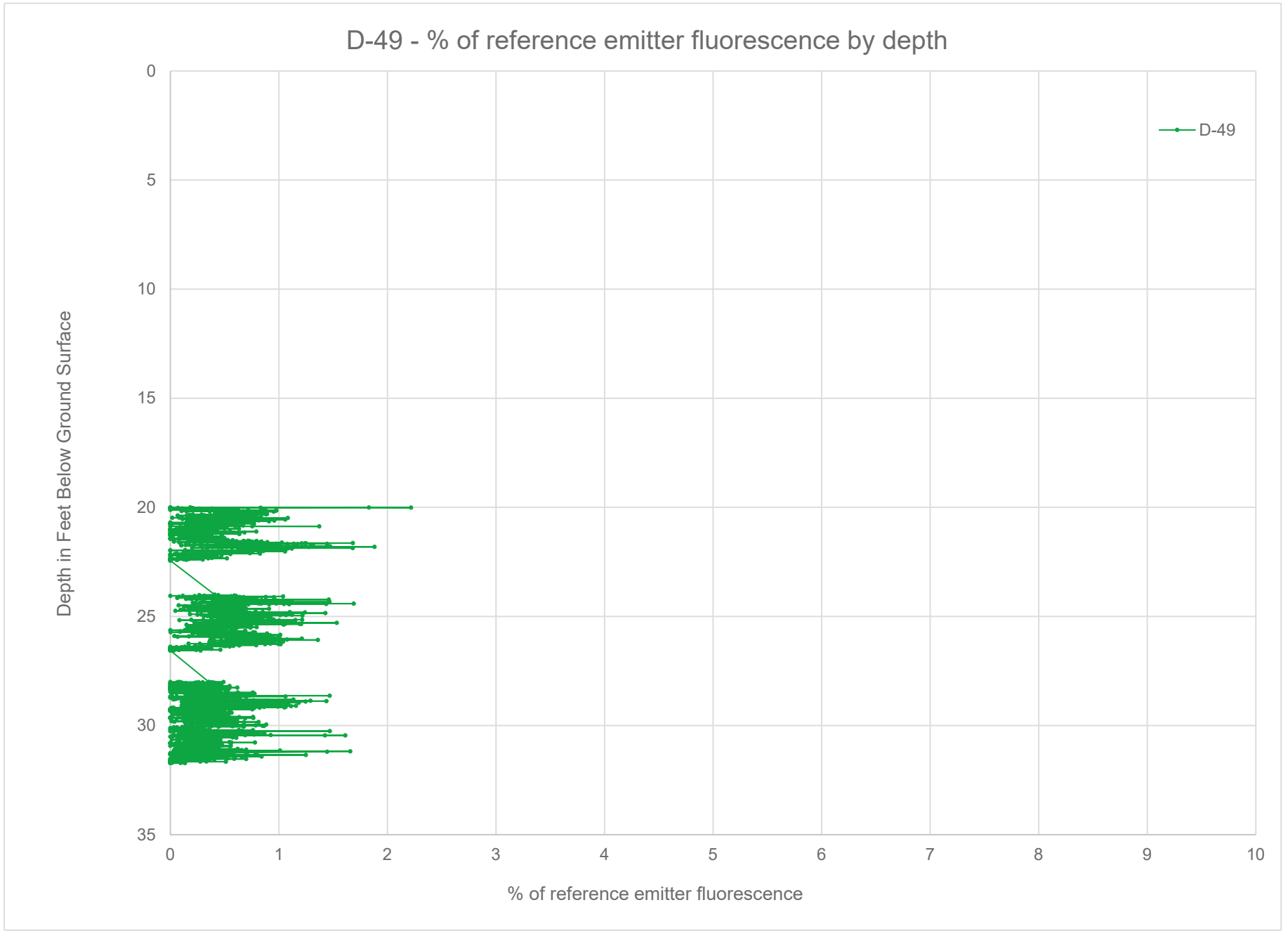

D-45 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-45

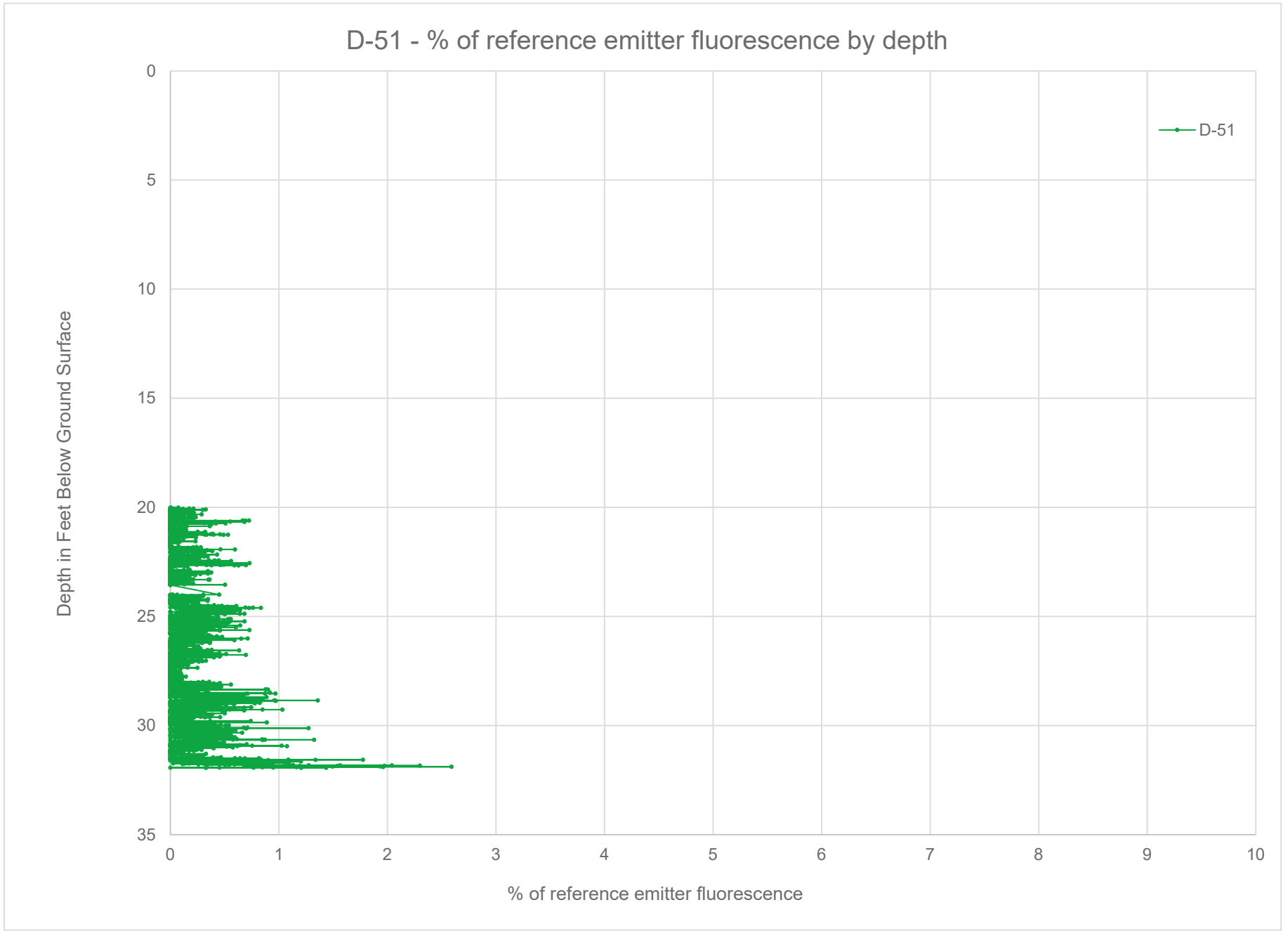

D-46 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-46

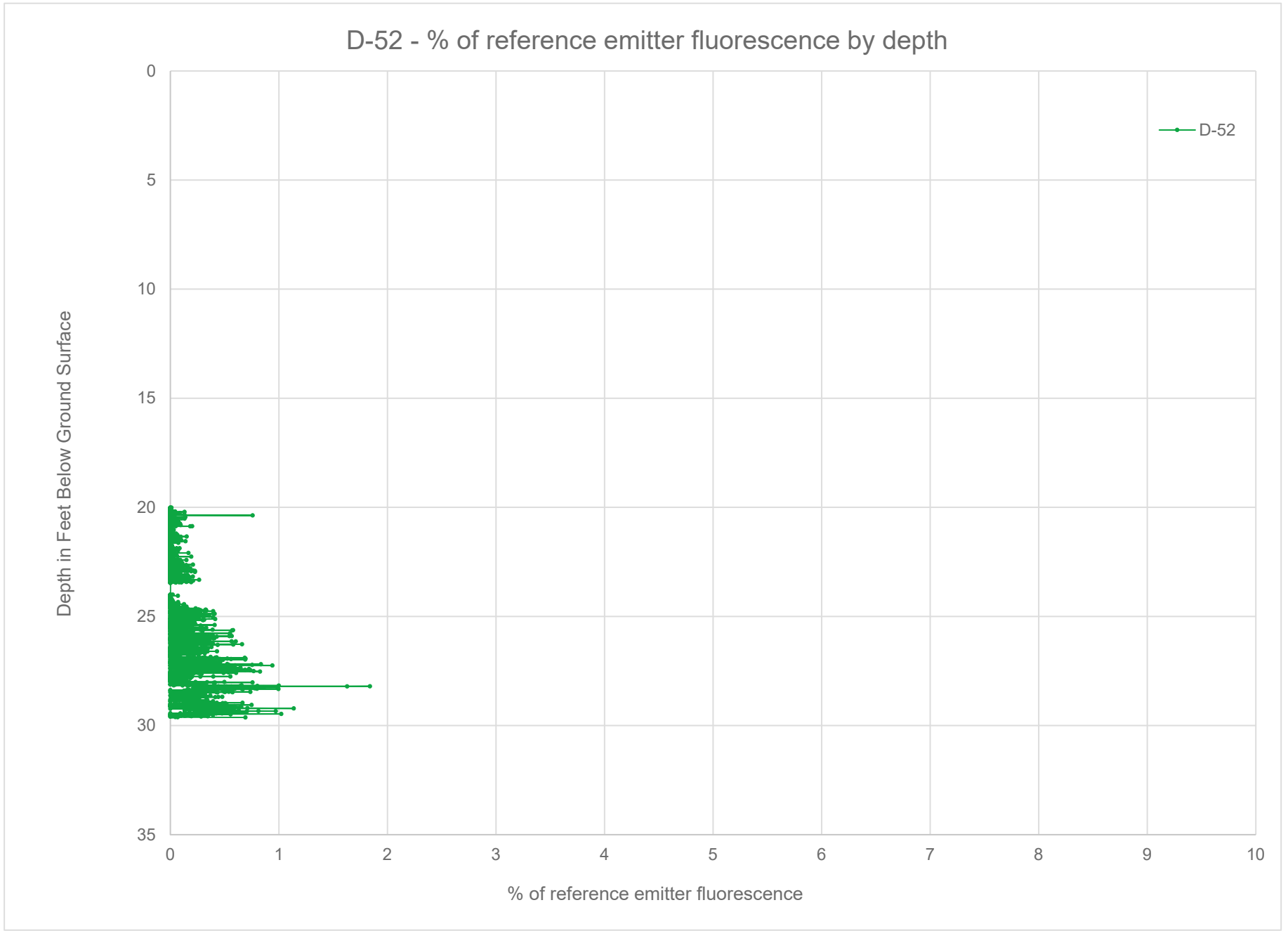

D-47 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
10% or greater indicates the potential presence of DNAPL
D-47
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
% of reference emitter fluorescence

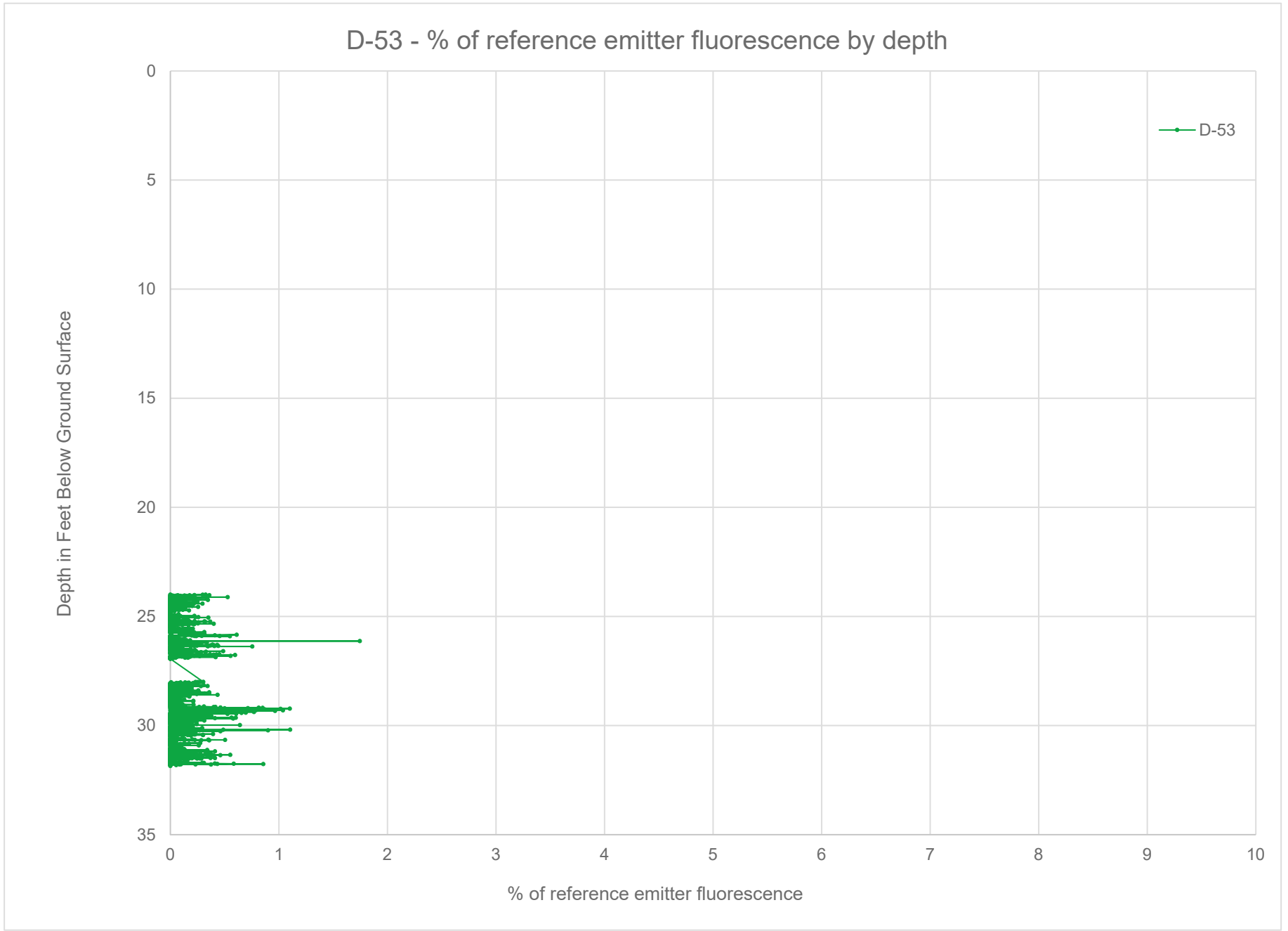

D-47A - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
10% or greater indicates the potential presence of DNAPL
D-47A
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
% of reference emitter fluorescence

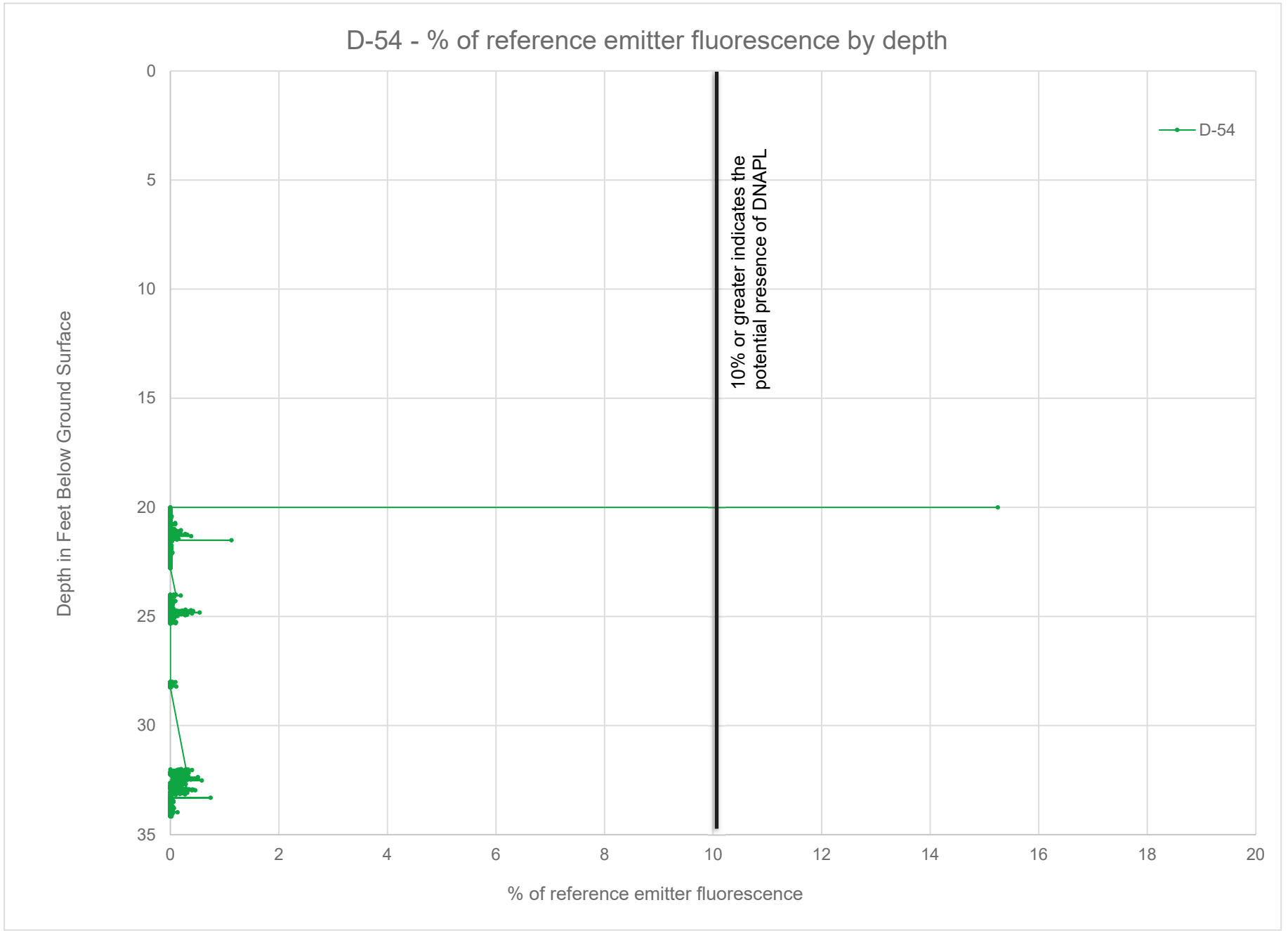

D-48 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-48

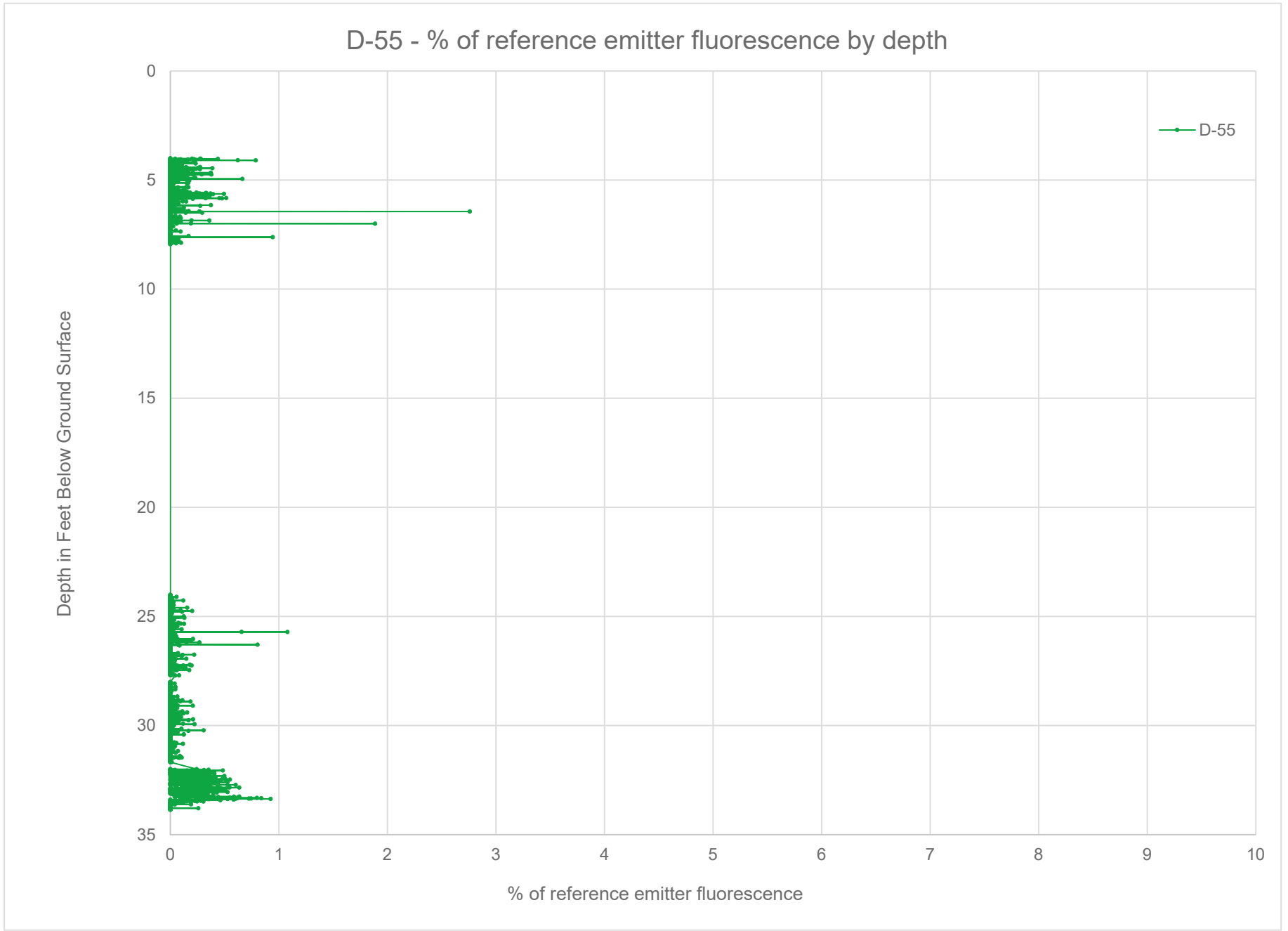

D-49 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-49

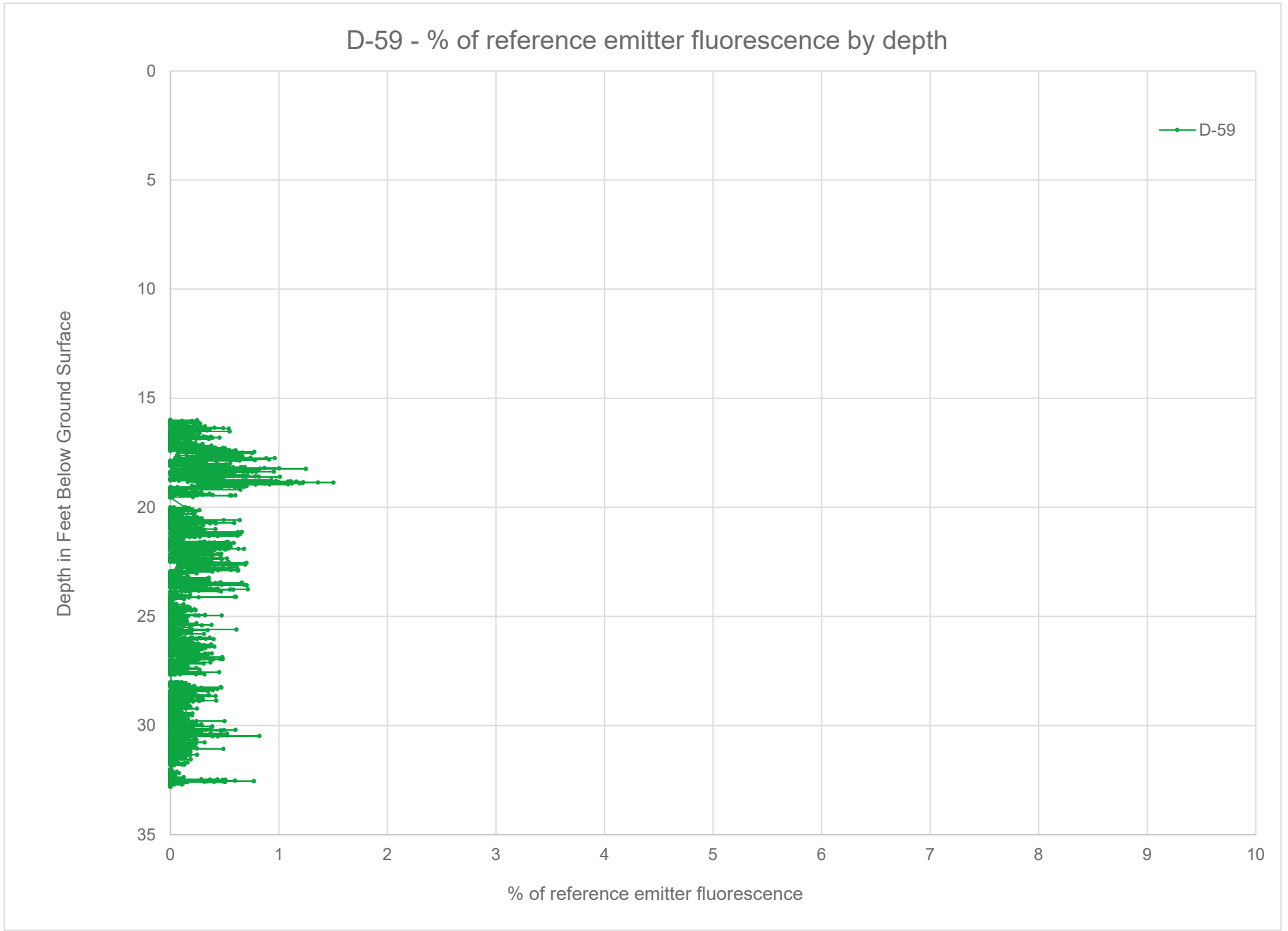

D-51 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-51

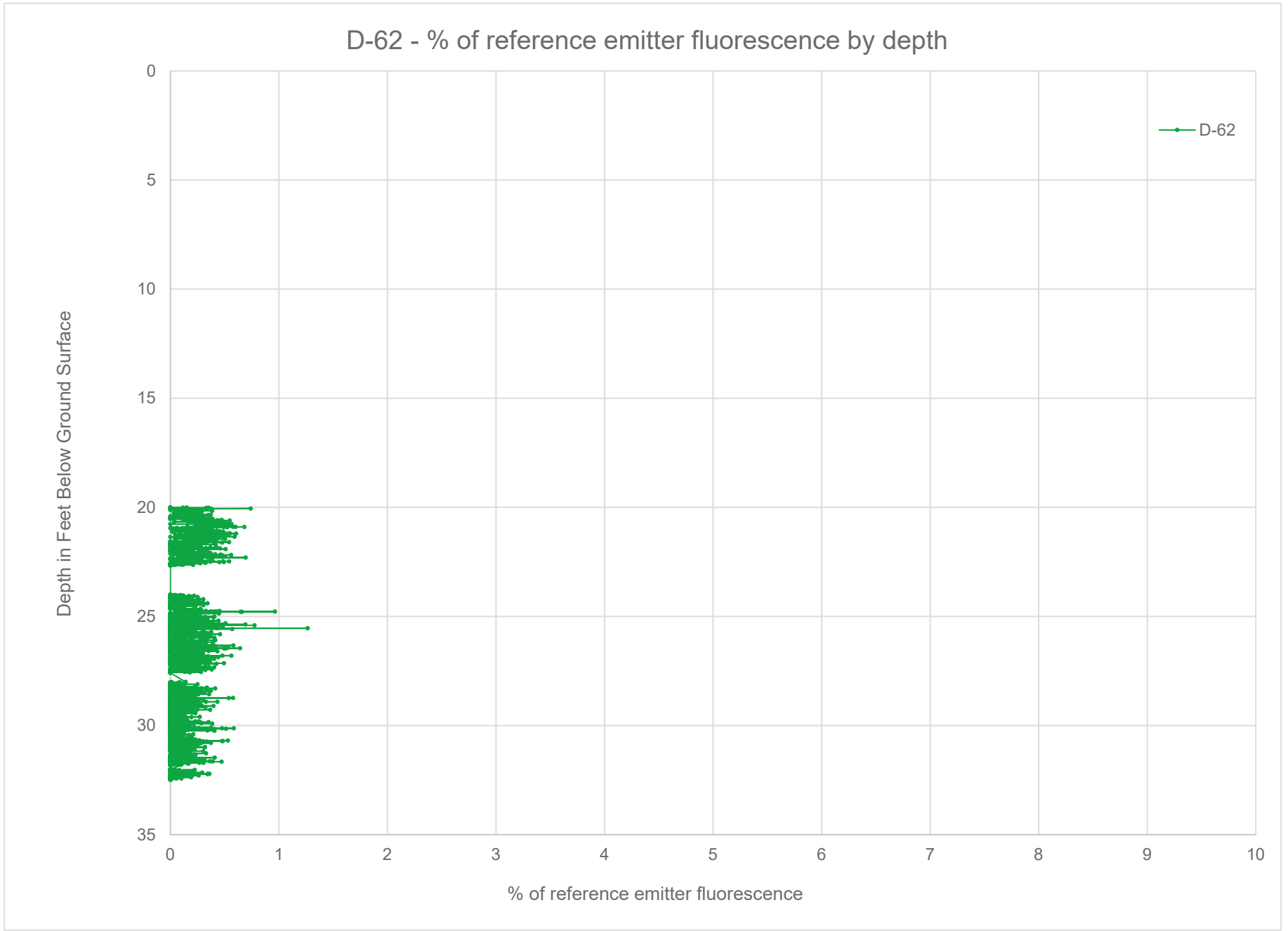

D-52 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-52

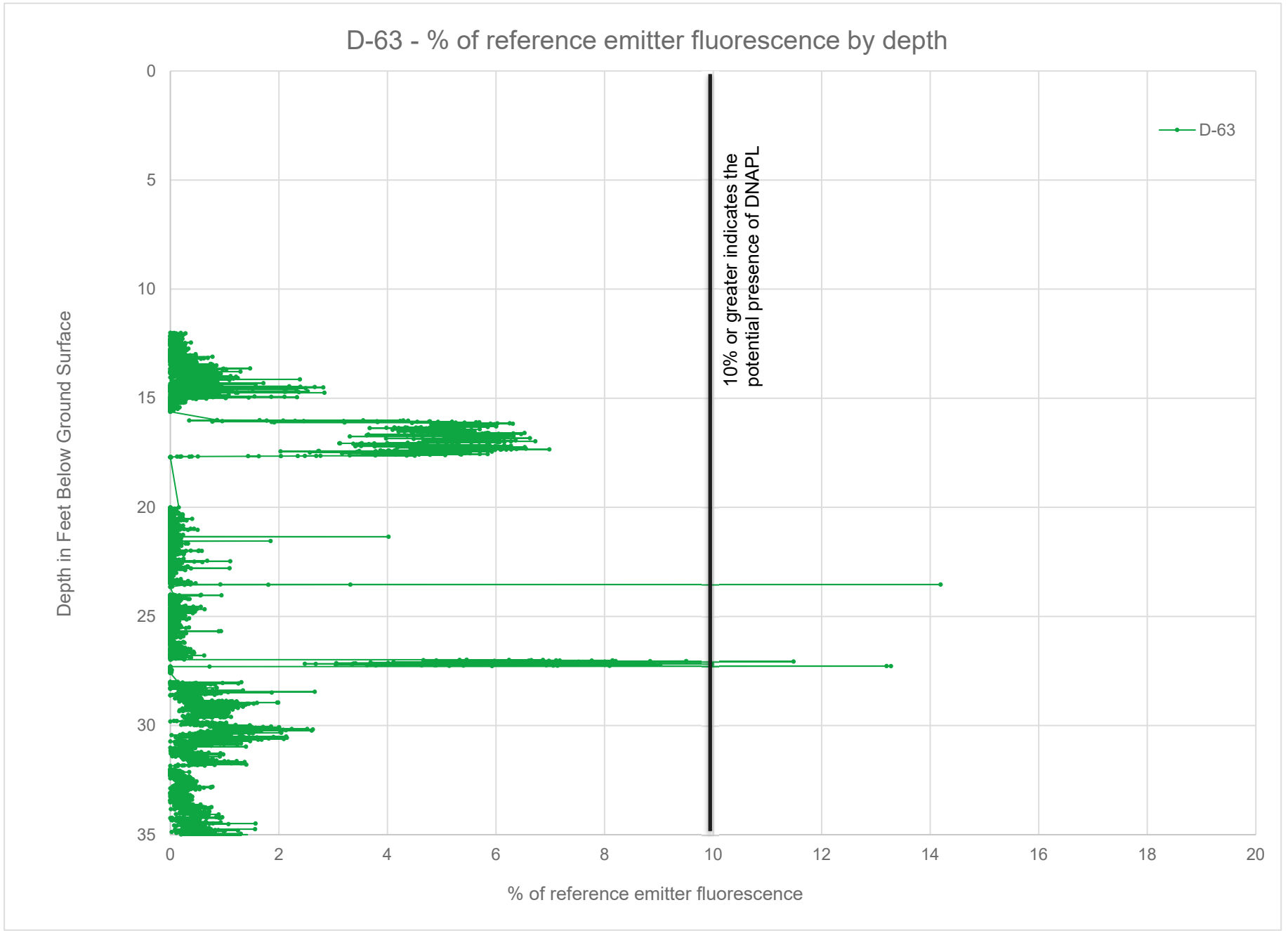

D-53 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-53

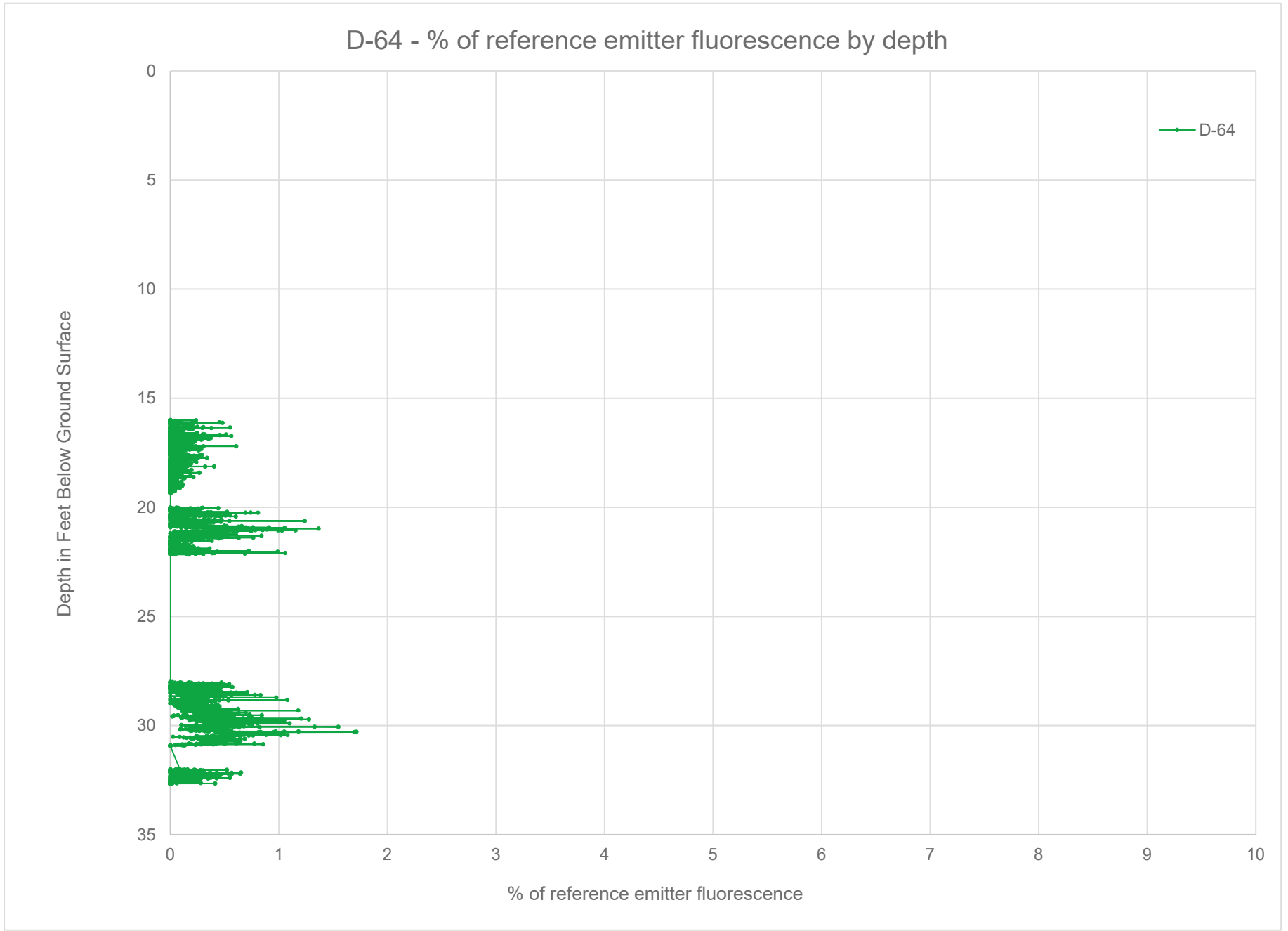

D-54 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20
% of reference emitter fluorescence
10% or greater indicates the potential presence of DNAPL
D-54

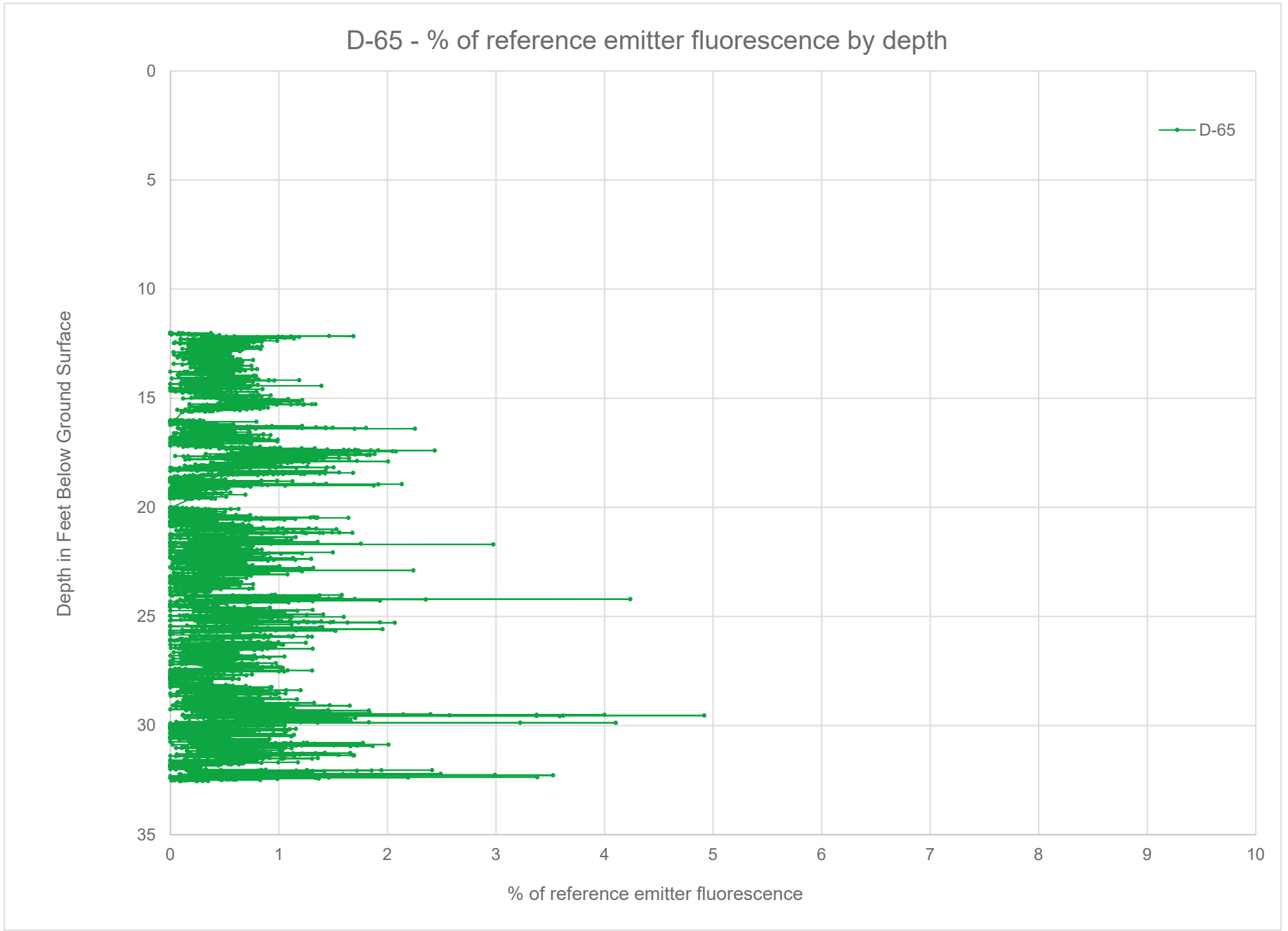

D-55 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-55

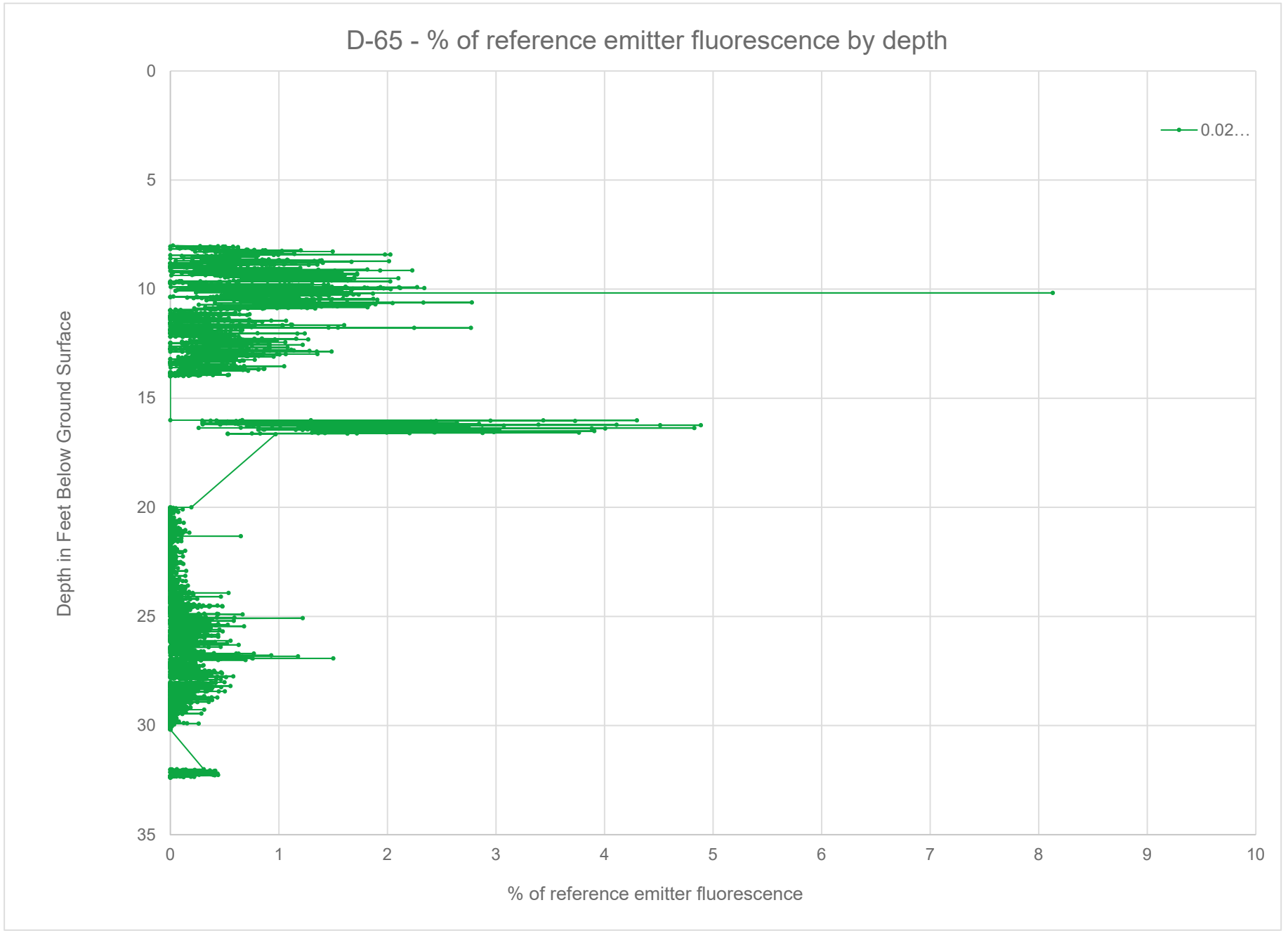

D-59 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-59

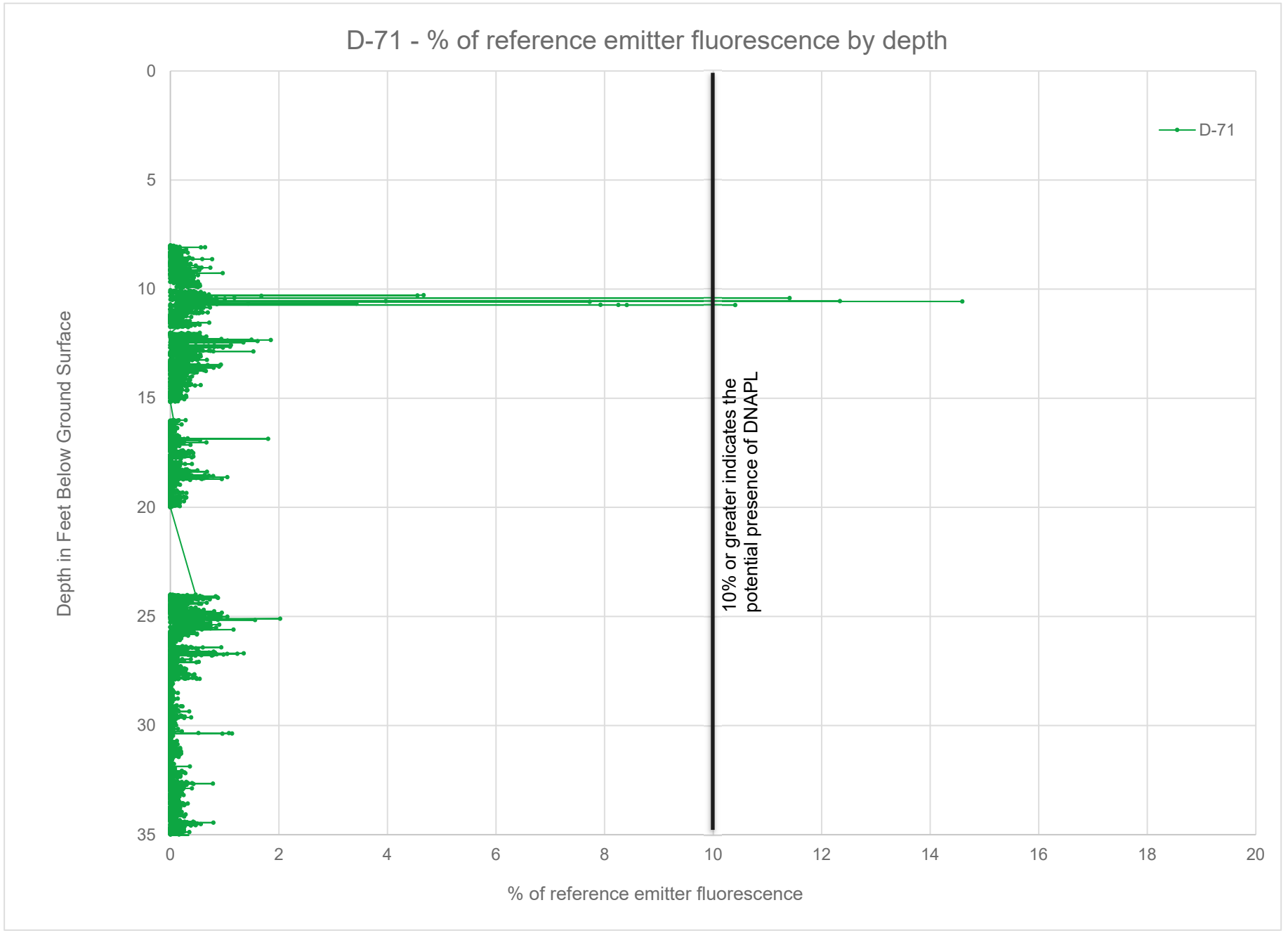

D-62 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-62

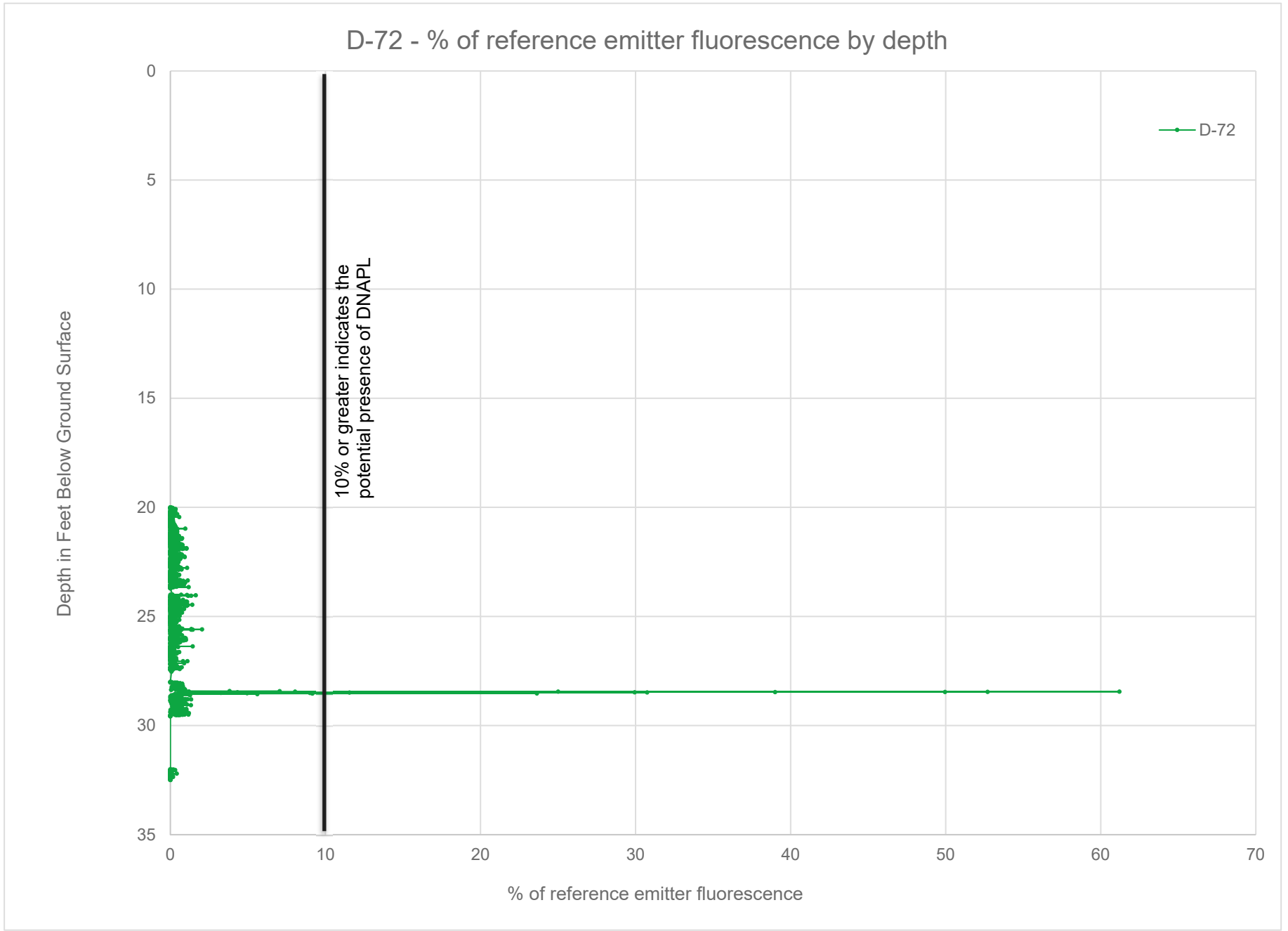

D-63 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20
% of reference emitter fluorescence
D-63
10% or greater indicates the potential presence of DNAPL

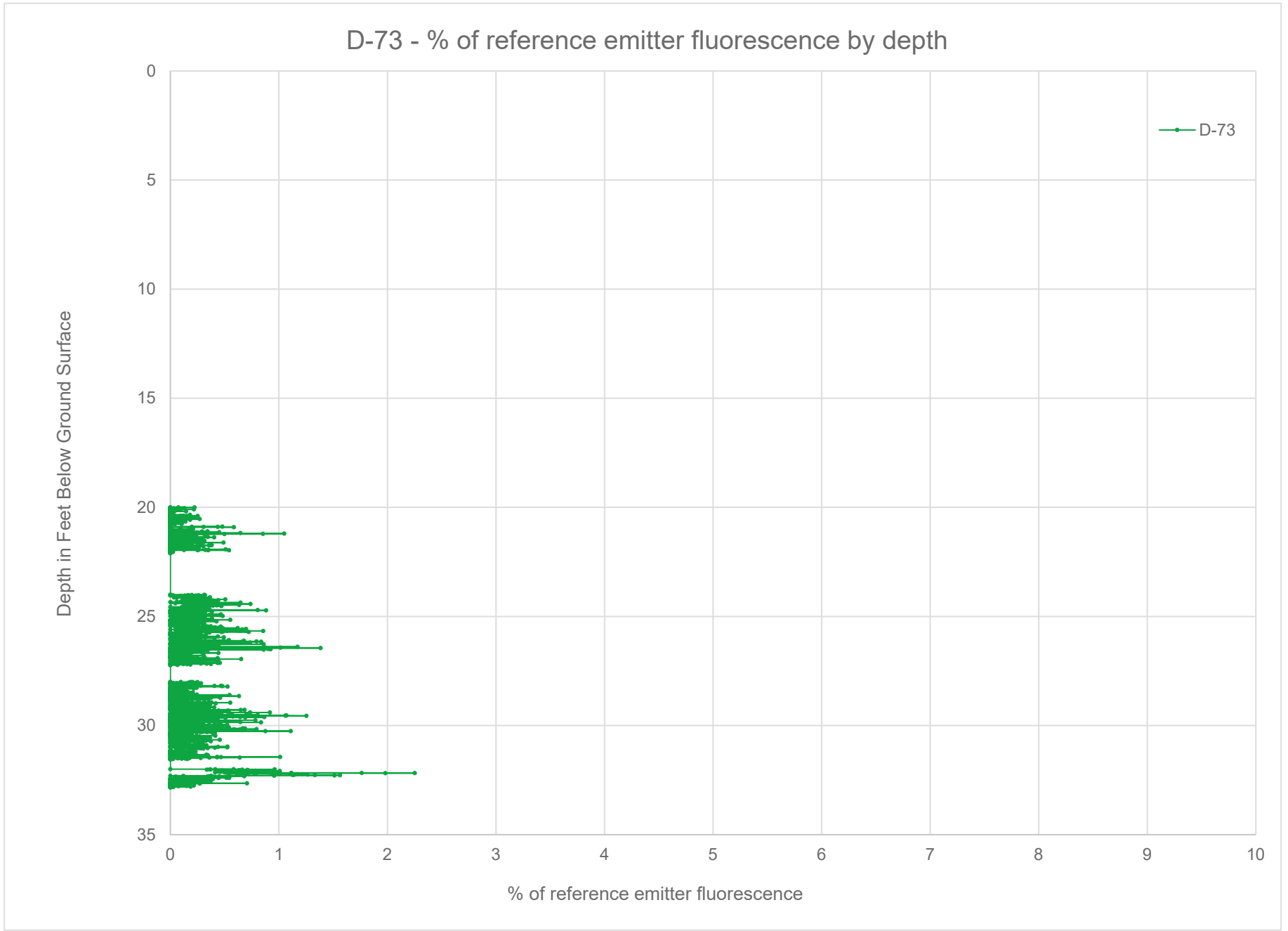

D-64 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-64

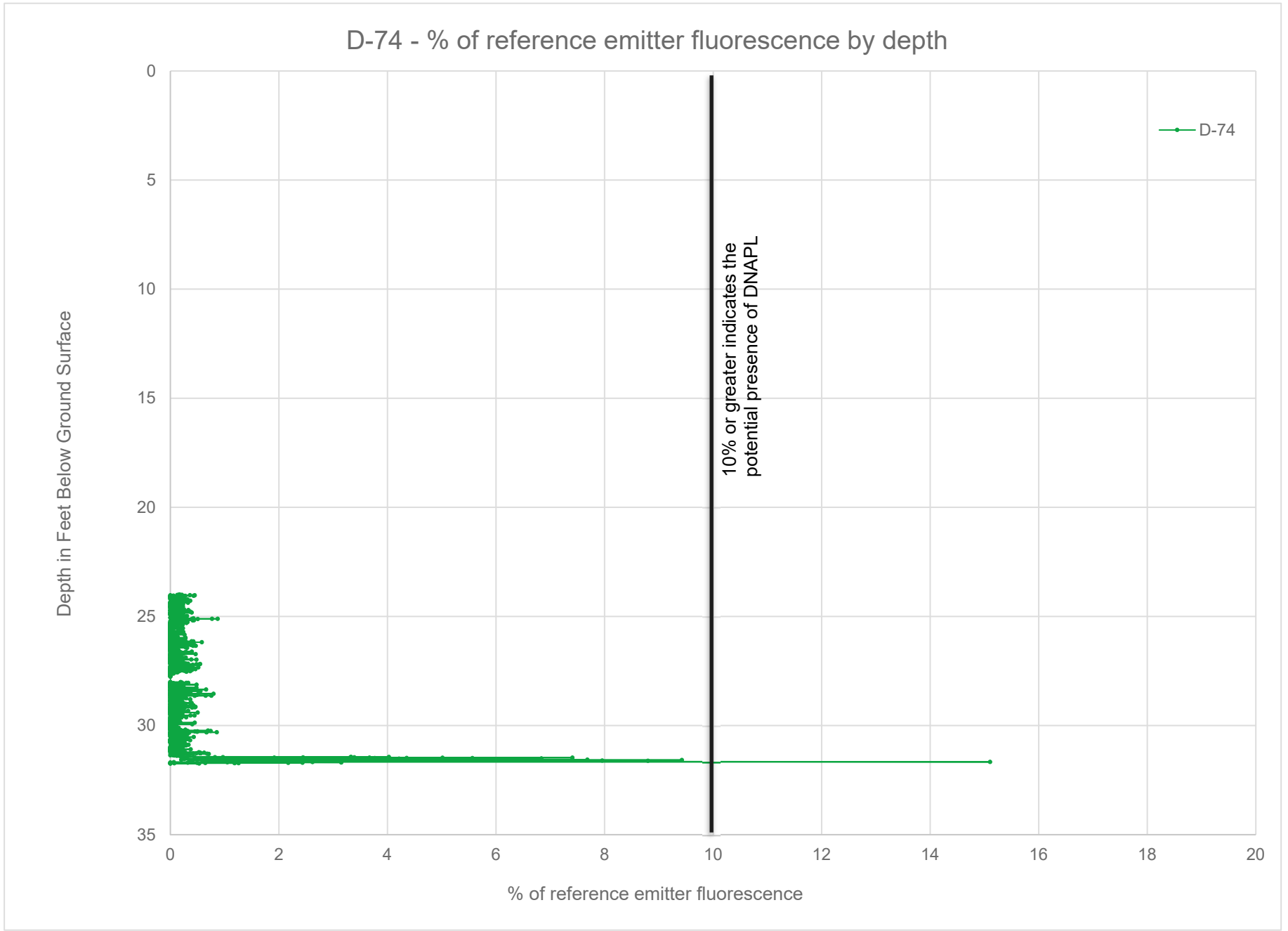

D-65 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-65

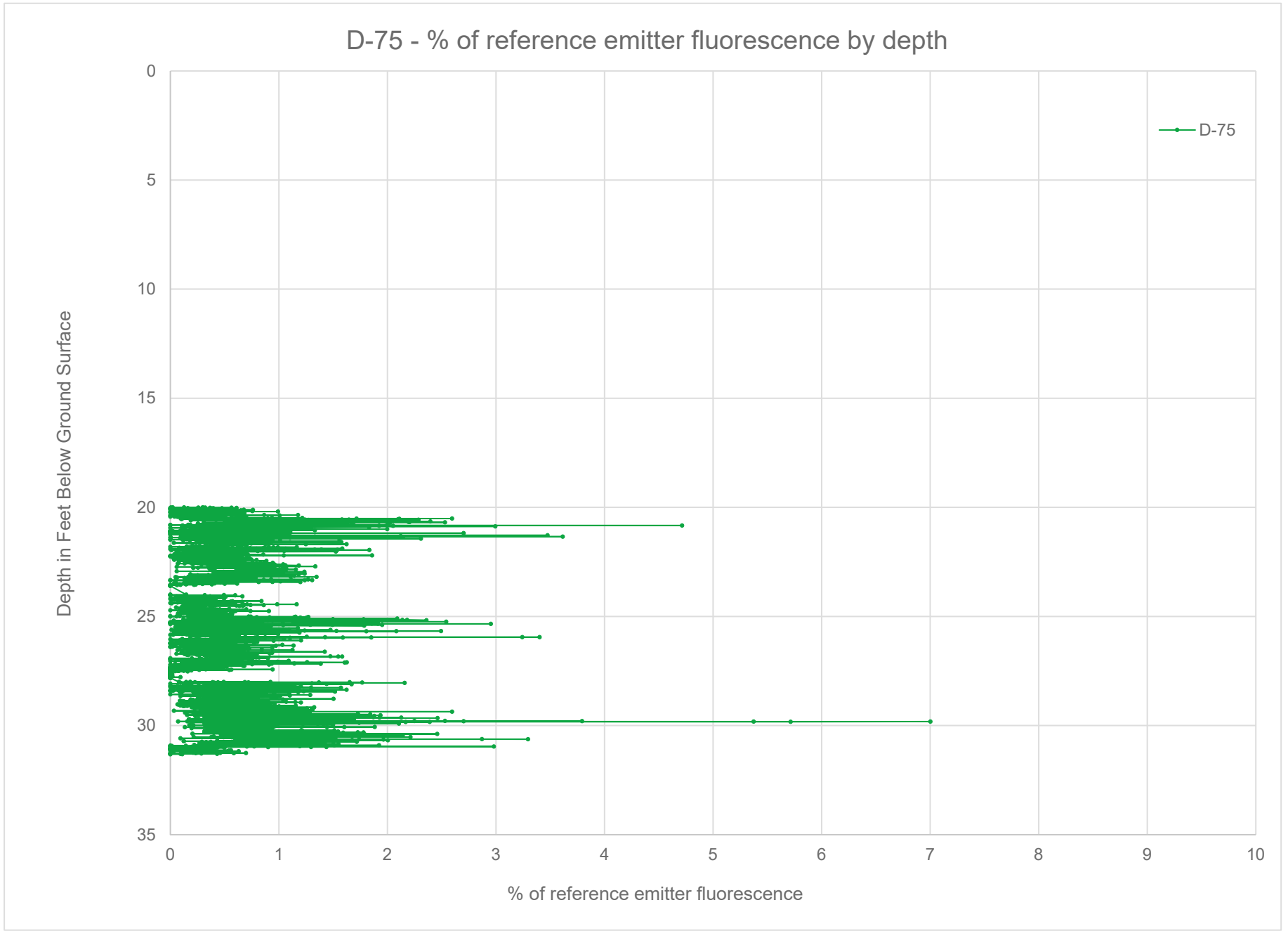

D-65 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
0.02…

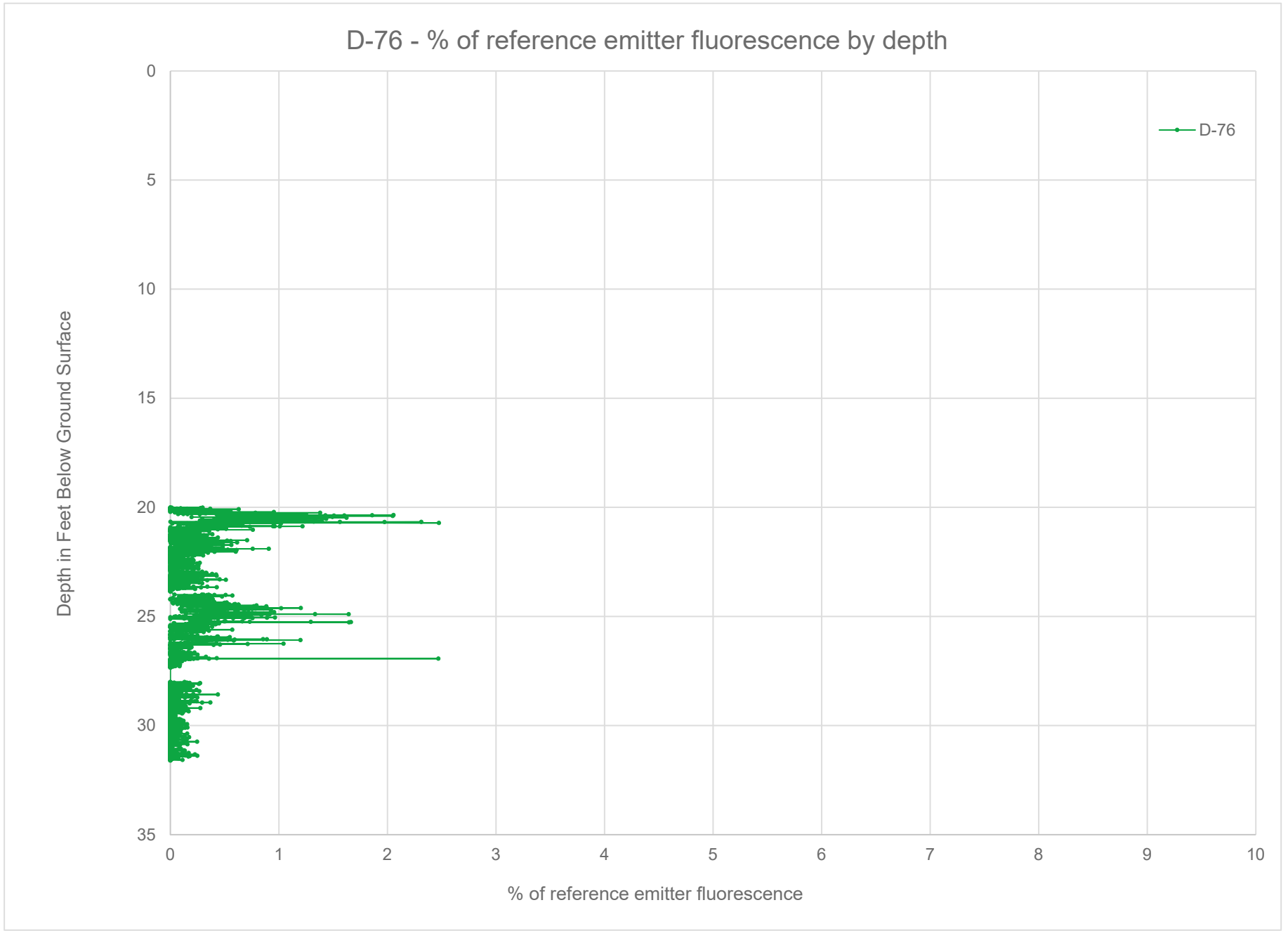

D-71 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20
% of reference emitter fluorescence
D-71
10% or greater indicates the potential presence of DNAPL

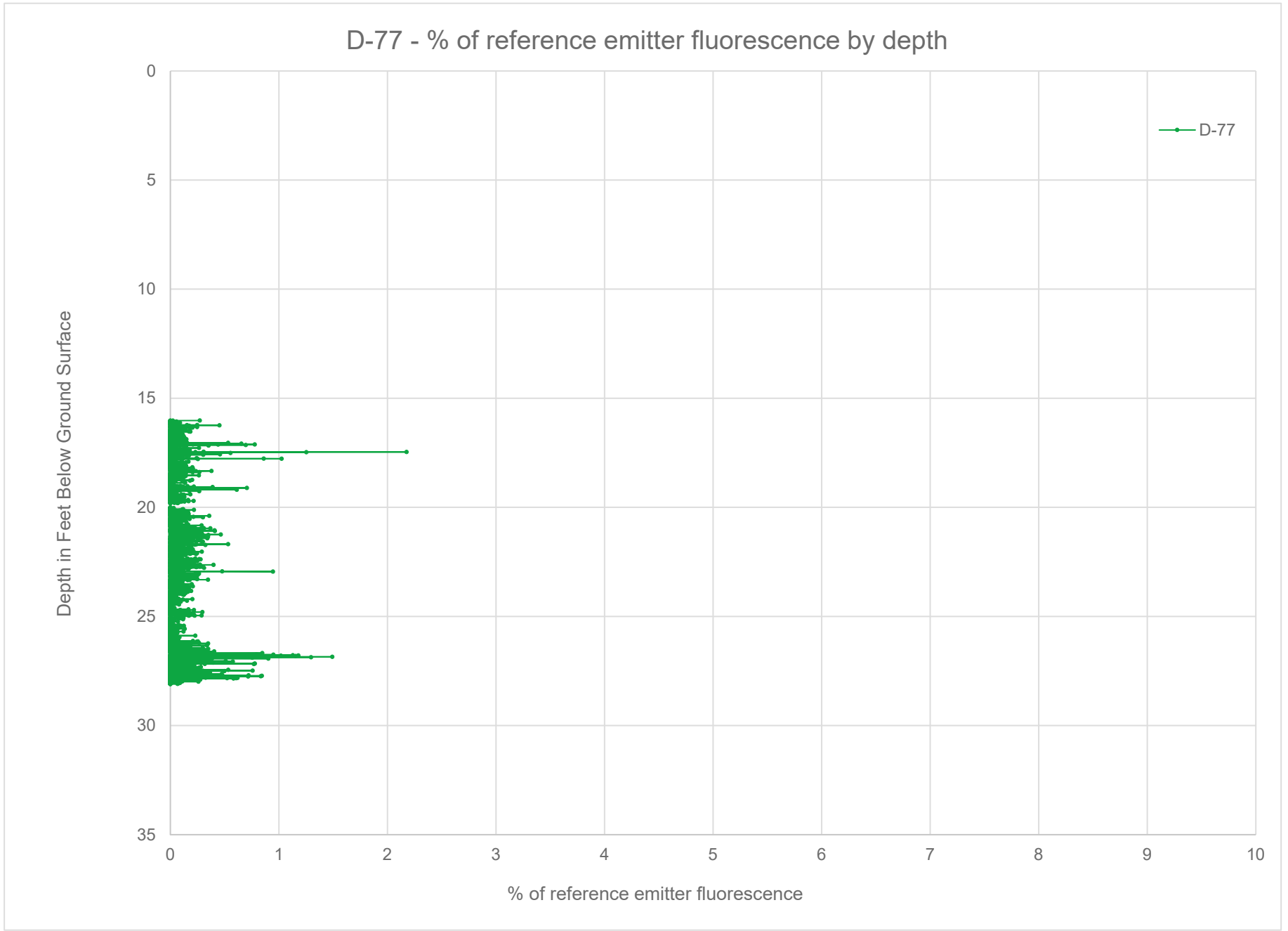

D-72 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
10% or greater indicates the potential presence of DNAPL
D-72
0
10
20
30
40
50
60
70
% of reference emitter fluorescence

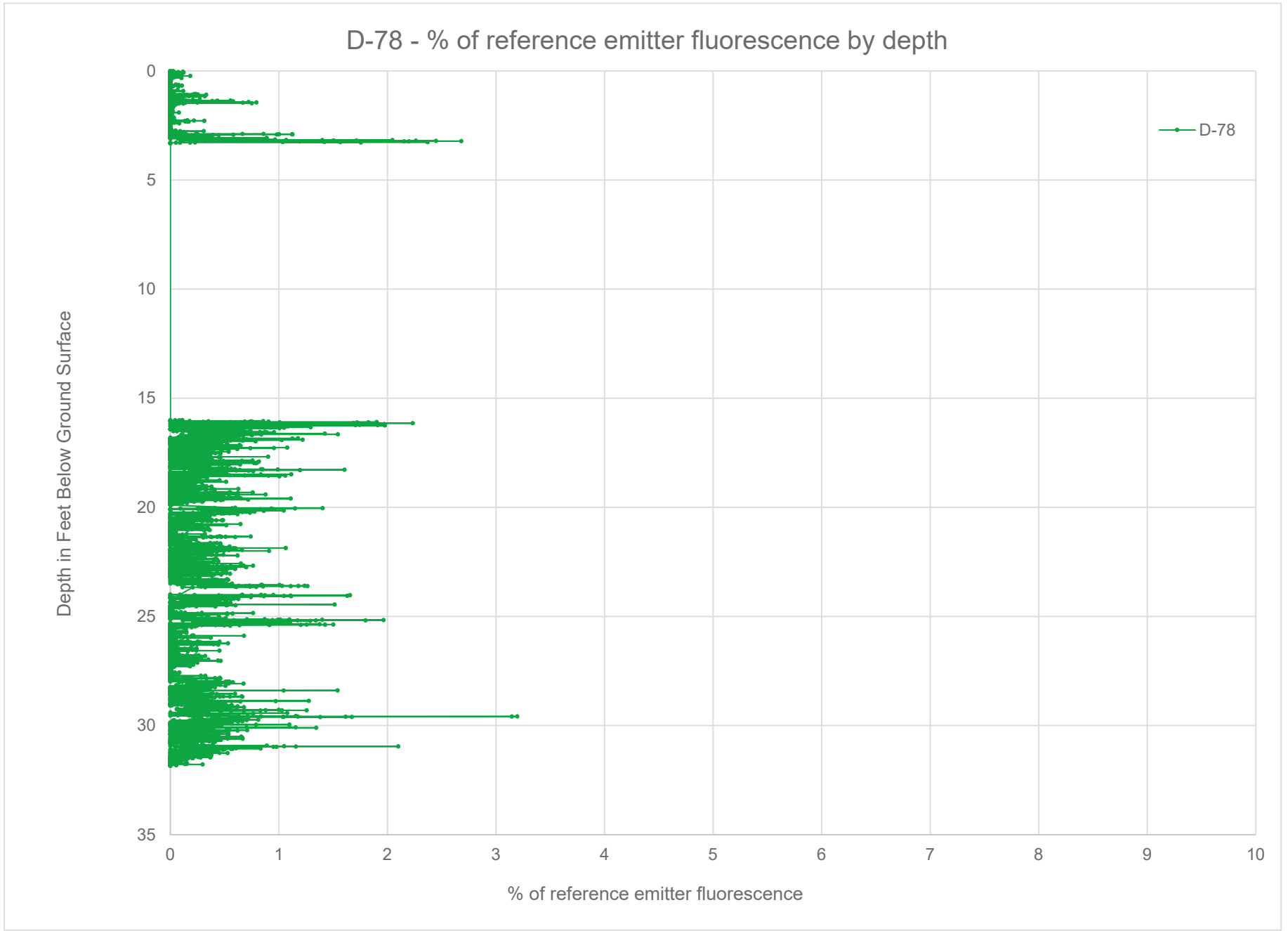

D-73 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-73


D-74 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12
14
16
18
20
% of reference emitter fluorescence
10% or greater indicates the potential presence of DNAPL
D-74


D-75 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-75


D-76 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-76


D-77 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-77


D-78 - % of reference emitter fluorescence by depth
Depth in Feet Below Ground Surface
0
5
10
15
20
25
30
35
0
1
2
3
4
5
6
7
8
9
10
% of reference emitter fluorescence
D-78

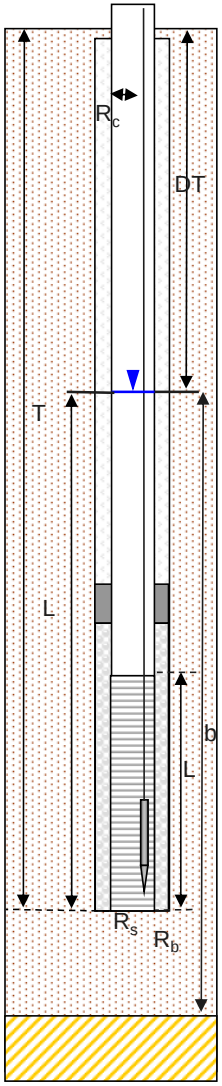
Appendix F

Slug Test Results

Table F-1
Slug Test Results
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI - Seneca Falls, New York

Well ID	Constructed Screen Interval (ft bgs)	Saturated Thickness[1] (ft)	Screened Interval Description (ft)	Slug Test Type[2]	Hydraulic Conductivity (cm/sec)	Hydraulic Conductivity (ft/day)	Analysis Method
MW-24	14.5-24.5	20.29	14.5-18 Clay with some fine gravel 18-20 No recovery 20-22 Clay with some fine gravel 22-24 No recovery 24-24.5 Clay with some fine gravel	Baildown	4.8E-04	1.4	Hyder
MW-25	6-16	12.86	6-16 Clay, silty brown grayish.	Baildown	6.6E-05	0.2	Hyder
MW-26	4-14	7.95	4-6 Clay with fine sand 6-7.6 Fine Sand 7.6-14 Clay with fine sand	Baildown	1.2E-03	3.4	Bouwer-Rice
				Geometric Mean	**3.4E-04**	**1.0**	
				Minimum	**6.6E-05**	**0.2**	
				Maximum	**1.2E-03**	**3.4**	

Table F-1
Slug Test Results
Pre-Design Investigation Report
Former Phillips Display Components Facility
GTE OSI -Seneca Falls, New York



Well	Ls[3]	Lw[4]	Rs	Rb	Rc	DTW	TD[5]
MW-24	10	20.29	0.17	0.32	0.17	4.73	25.02
MW-25	10	12.86	0.17	0.40	0.17	2.43	15.29
MW-26	7.95	7.95	0.17	0.40	0.17	6.93	14.88

All units in feet bgs

L_s True screen length
L_w Length of water column in Well (TD-DTW)
R_s Screen radius
R_b Radius of filter pack or borehole
R_c Casing radius
DTW Static depth to water below top of casing
TD Total depth of well/screen below top of casing

Notes
ft/bgs = feet below ground surface
ft/day = feet per day
cm/sec = centimeters per second
[1] Saturated thickness based on water column in wells
[2] Poly weighted bailer was used that was submerged with varying lengths from 1.5 to 3 ft.
[3] Screen length adjusted in analysis to be equivalent to effective length without clay intervals with partially submerged screens
[4] Water column equivalent to total depth of well and static water level
[5] Total depth of well from measured value

References

Bouwer, H. and R.C. Rice, 1976. A slug test method for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells, Water Resources Research, vol. 12, no. 3, pp. 423-428.

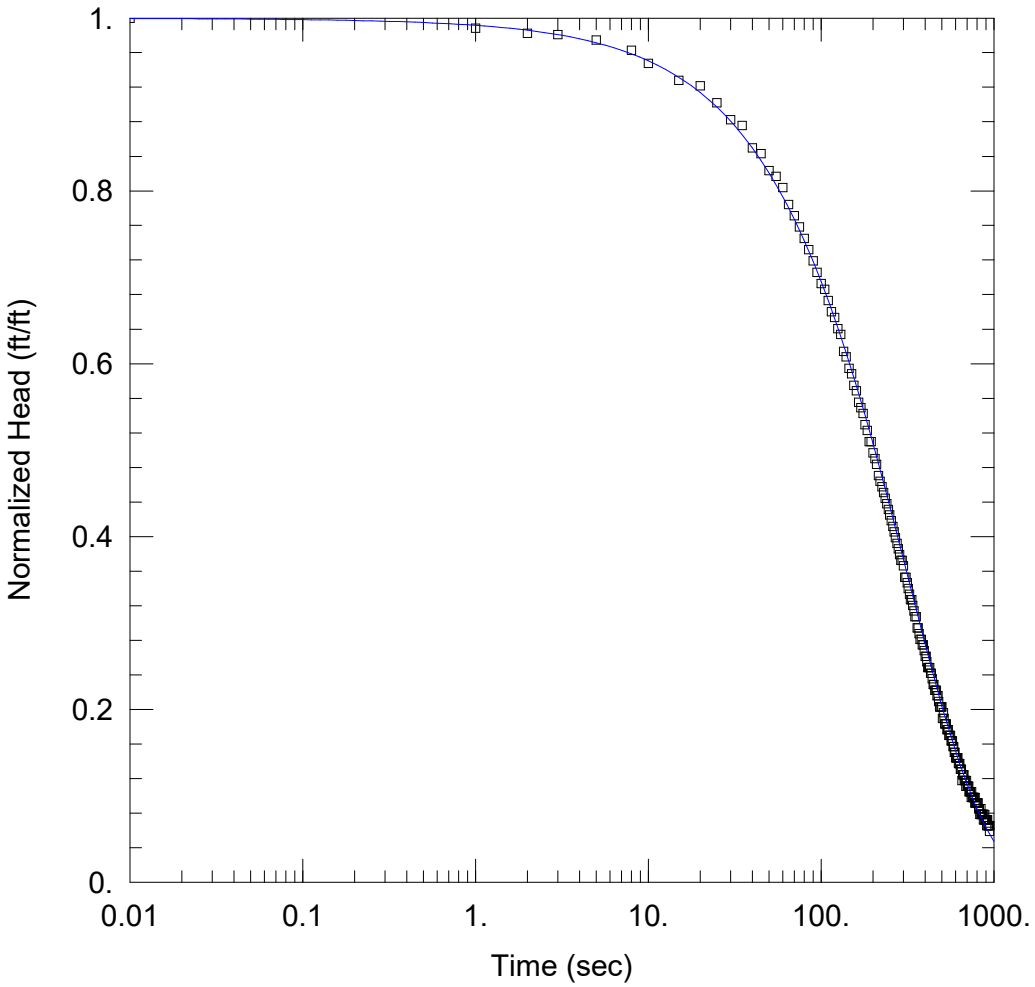
Bouwer, H., 1989. The Bouwer and Rice slug test--an update, Ground Water, vol. 27, no. 3, pp. 304-309.

Butler Jr, J.J., 2019. The design, performance, and analysis of slug tests. Crc Press.

Hyder, Z, J.J. Butler, Jr., C.D. McElwee and W. Liu, 1994. Slug tests in partially penetrating wells, Water Resources Research, vol. 30, no. 11, pp. 2945-2957.

MW-24 Test 2

Prepared By:	Prepared For:
Arcadis	GTEOSI
Project:	**Location:**
30058452	Seneca Falls, NY



SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 0.00048 cm/sec Ss = 1.6E-5 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

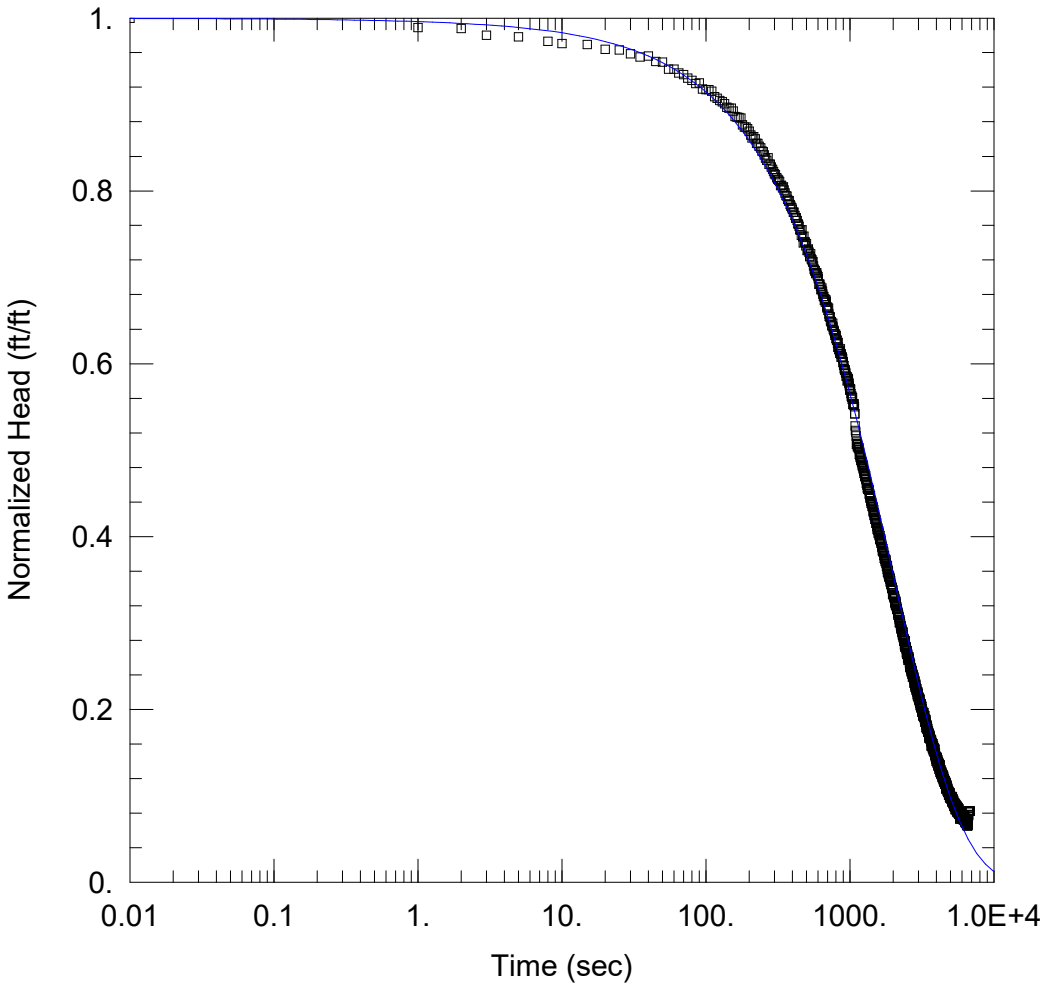
Saturated Thickness: 20.29 ft

WELL DATA (MW-24)

Initial Displacement: 1.53 ft
Static Water Column Height: 20.29 ft
Total Well Penetration Depth: 19.77 ft
Screen Length: 10. ft
Casing Radius: 0.17 ft
Well Radius: 0.32 ft

MW-25 Test 2

Prepared By:	Prepared For:
Arcadis	GTEOSI
Project:	**Location:**
30058452	Seneca Falls, NY



SOLUTION

Aquifer Model: Unconfined
Solution Method: KGS Model

Kr = 6.6E-5 cm/sec Ss = 5.4E-5 ft^{-1}
Kz/Kr = 1.

AQUIFER DATA

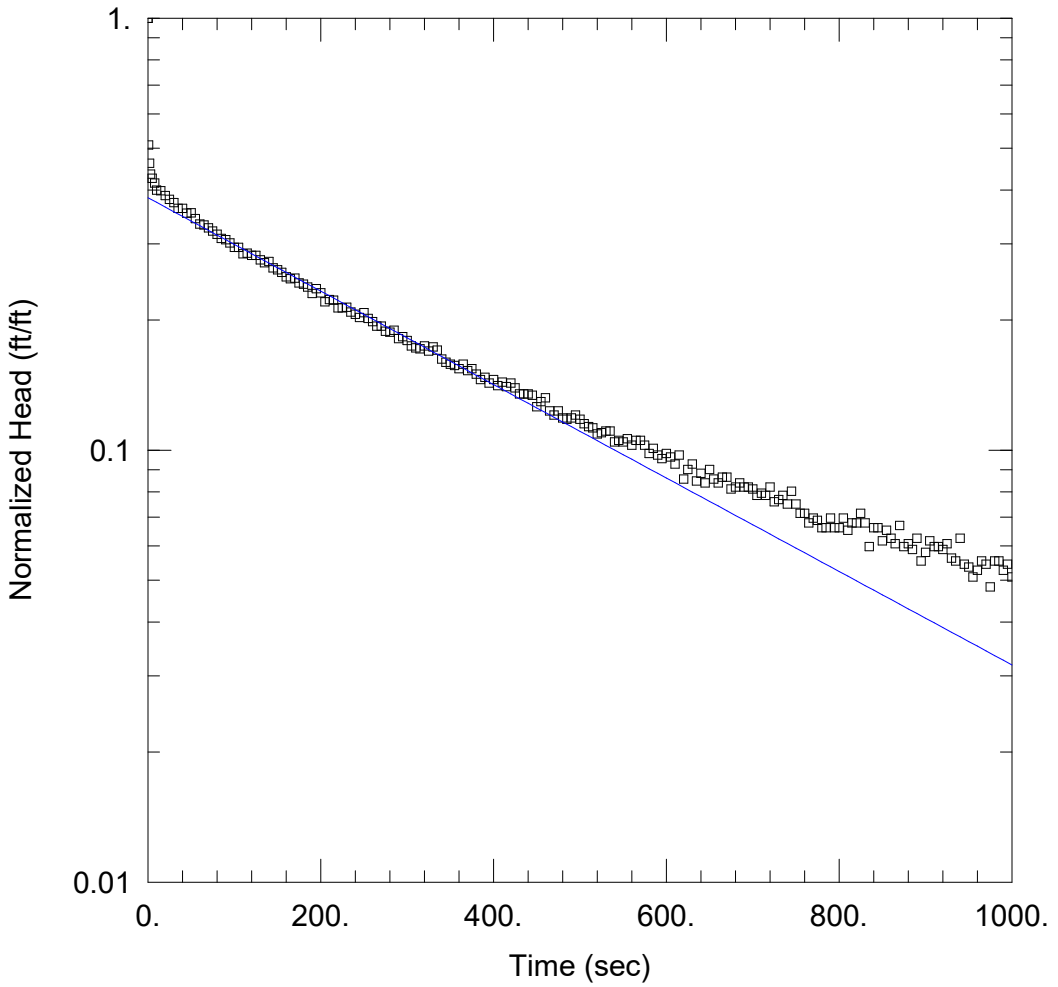
Saturated Thickness: 12.86 ft

WELL DATA (MW-25)

Initial Displacement: 1.572 ft
Static Water Column Height: 12.86 ft
Total Well Penetration Depth: 12.86 ft
Screen Length: 10. ft
Casing Radius: 0.17 ft
Well Radius: 0.4 ft

MW-26 Test 2

Prepared By:	Prepared For:
Arcadis	GTEOSI
Project:	**Location:**
30058452	Seneca Falls, NY



SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice

K = 0.0012 cm/sec y0 = 0.43 ft

AQUIFER DATA

Saturated Thickness: 7.95ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (MW-26)

Initial Displacement: 1.12 ft
Static Water Column Height: 7.95 ft
Total Well Penetration Depth: 7.95 ft
Screen Length: 7.95 ft
Casing Radius: 0.17 ft
Well Radius: 0.4 ft

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