

March 21, 2022

SCE No. R20010.00

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**Re: Remedial Action Summary Report  
Hamilton College Boathouse  
City of Rome, Oneida County, New York  
Site Code: V00077  
Voluntary Cleanup Agreement Index Number (D6-0001-97-01)**

Dear Mr. Brown:

Shumaker Consulting Engineering and Land Surveying, D.P.C. (SCE) has prepared this Remedial Action Report to summarize the management of soils excavated during the construction of the Hamilton Boathouse which had been temporarily stockpiled at an off-site location on Martin Street in the City of Rome, Oneida County, New York. The Soil Work Plan dated August 17, 2021, for the project, was approved by the New York State Department of Environmental Conservation (NYSDEC) in accordance with the Voluntary Cleanup Agreement (VCA) Index Number D6-0001-97-01 associated with the formal Rod Mill Parcel Site Code V00077.

Very truly yours,

**SHUMAKER CONSULTING ENGINEERING  
AND LAND SURVEYING, D.P.C.**

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# Hamilton College Boathouse Remedial Action Report

**Hamilton College Boathouse  
505 Mill Street  
City of Rome, Oneida County  
New York, 13440**

Prepared for:

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SCE Project No. 20010.00  
March 21, 2022

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**Figure 1 – Project Site Location**

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**Appendix D – Rod Mill Soil Management Plan**

## ***1.0 – Introduction***

In 2005, Synapse Risk Management, LLC developed a Soil Management Plan (SMP) for the Rod Mill Parcel, located at the former Old General Cable Site in the City of Rome, Oneida County, New York. The SMP was developed in accordance with a Voluntary Cleanup Agreement (VCA), V00077, Index Number D6-0001-97-07, between the original property owner and the New York State Department of Environmental Conservation (NYSDEC) due to impacts to the subsurface soils on the property. A Phase II Environmental Site Assessment (ESA) performed in 1996 confirmed the presence of benzene, toluene, trichloroethylene, and 1,1-dichloroethylene above the Recommended Soil Cleanup Levels (RSCOs) that were regulated at the time of the ESA. The SMP established guidance for management of soil during future property activities including redevelopment that could potentially breach the current cover system at the property, and to provide for establishing modified cover systems that are compatible with the redevelopment plans.

In May 2021, during excavation for construction of the new Hamilton Boathouse on Mill Street, excavated materials were removed and stockpiled off-site at the Martin Street location. Based upon subsequent review of the SMP for the Rod Mill Parcel, and discussions with the NYSDEC, it was determined that due to the potential presence of contaminants in the excavated material, it would be sampled, analyzed, and subsequently returned to the former Rod Mill Parcel property for reuse or disposed of at a permitted landfill.

This report summarizes the management of Hamilton Boathouse soils that were excavated, transported and stockpiled at the off-site location on Martin Street in the City of Rome, Oneida County, New York. The SMP states that any soil removed for redevelopment at the Rod Mill Parcel is to be sampled for either reuse onsite or transportation to an authorized disposal facility. Sample methods include composite samples tested for pH (EPA Method 9045C), Target Compound List (TCL) Semi-Volatile Organic Compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), Target Analyte List (TAL) metals, and cyanide, and grab samples tested for TCL Volatile Organic Compounds (VOCs).

In August 2021, SCE was contracted by HOLT Architects, P.C. as a subconsultant to Hamilton College, to develop a Soil Work Plan for the excavated soils that were originally part of the Rod Mill Parcel. The Work Plan was approved by the NYSDEC (see appendix) on August 19, 2021. In addition, SCE was contracted to oversee the removal of the stockpiled soils from the Martin Street property. Hamilton College contracted the soil excavation and removal to Beebe Construction and their subcontractor Savannah Civil Site Work (Savannah), for excavation of the soils and materials from the off-site location on Martin Street, transportation of the materials back to the former Rod Mill Parcel, and spread the materials on the northern portion of the parcel that will be capped with a clean fill cover system.



## ***2.0 – Soil Management Plan***

In 2005, Synapse Risk Management, LLC developed the SMP for the Rod Mill Parcel (Site Code V00077), located at the former Old General Cable Site in the City of Rome, Oneida County, New York (Figure 1). The SMP was developed as a response to a Voluntary Cleanup Agreement Index Number D6-0001-97-07, between the original property owner and the New York State Department of Environmental Conservation (NYSDEC) due to impacts to the subsurface soils on the property. A Phase II Environmental Site Assessment (ESA) performed in 1997 confirmed the presence of benzene, toluene, trichloroethylene, and 1,1-dichloroethylene above the Recommended Soil Cleanup Levels (RSCOs) at the time of the ESA.

Following the Phase II Assessment, Remedial Action Work Plans and Closure Reports were performed in 2001 for the Subject Property (Site V00077) by Jack Eisenbach Engineering, P.C. In 2005, the Voluntary Cleanup Agreement Closure Workplan and Report were performed by Synapse Risk Management, LLC, under VCP V00077. As part of the VCP approved by the NYSDEC, this SMP was developed as an engineering control to the Subject Property to limit the removal of materials from the parcel and ensure a cover system overtop the impacted soils were to remain in place.

The SMP developed by Synapse Risk Management, LLC provided information on the nature and extent of impacts to the Subject Property, contemplated future uses of the Subject Property, surface cover systems to be put in place, management of the soils, and long-term maintenance practices of the cover system. The full details of the SMP can be found in Appendix D.

### ***2.1 – Nature and Extent of Impacts***

Following the VCA workplan completion, the soils on the northern portion of the Subject Property were sampled and submitted for analysis. The original constituents that were identified during the Phase II Assessment were found at concentrations below the RSCOs, however, they were still quantifiably present at depths of 4 feet below grade (fbg). Additional sampling during the VCA closure reporting indicated impacts from VOCs and SVOCs that were not present during the initial sampling and were identified as potentially laboratory contamination readings.

Groundwater samples were collected on the Subject Property as well, with one (1) VOC (cis-1,2-DCE) and one (1) SVOC (dibenzofuran) reported at quantities greater than the NYSDEC quality standards for concentrations in groundwater.

Following completion of these environmental sampling procedures, with quantifiable results that indicated impacts to the soils and groundwater on the northern portion of the Old Rod Mill Parcel, the SMP was required to be implemented for the Subject Property, in addition to a Deed Restriction for the property to restrict future groundwater use.

## ***2.2 – Future Uses of the Subject Property***

Following NYSDEC's written approval of the VCA Closure Report and issuance of its Assignable Release and Covenant Not to Sue, the Subject Property was to be conveyed to the City of Rome as part of a green space in support of a new recreational center.

The Deed Restriction for the property prohibited the Subject Property from being used for purposes other than commercial or industrial, without the express written waiver of such prohibition by NYSDEC.

## ***2.3 – Surface Cover Systems***

A cover system was implemented at the Subject Property to minimize the potential for human contact with impacted materials from the northern parcel. The cover system was required to be a minimum of six (6) inches of asphalt and subbase materials in roadway and parking lot areas, a minimum of six (6) inches of concrete and subbase materials in areas of slab-on-grade structures and other sidewalk and roadway areas, and a minimum of six (6) inches of clean soil or fill material and vegetation cover in areas where concrete or asphalt are not present. The majority of the Subject Property, estimated at greater than 95% of the area, had a concrete or asphalt cover system, with the remaining 5% of the area covered in clean fill and soils.

## ***2.4 – Management of Soils and Long-Term Maintenance***

The intent of the surface cover systems was to prevent intrusive work to the subsurface and that the systems would be maintained without breach. Precautionary measures were written into the SMP in the event of intrusive work breaches of the cover system, with obligatory conditions to be followed in this event.

- Any breach of the cover system must be replaced or repaired using an acceptable borrow source material and reseeded/covered with impervious products to prevent erosion.
- Control of the surface erosion and run-off from the Subject Property at all times.
- Soil that is excavated and intended to be removed from the Subject Property must be managed, characterized, and properly disposed of in accordance with NYSDEC regulation and directives.
- Soil excavated at the Subject Property may be used as backfill material on-site, provided it contains no visual or olfactory evidence of contamination, and it is placed beneath a cover system component.
- Any off-site fill material brought to the property for filling and grading purposes shall be from an acceptable borrow source that requires no regulatory approval for use at the property. Off-site borrow sources shall be subject to collection of one representative composite sample per source. The sample should be analyzed for Target Compound List (TCL) VOCs, SVOCs, pesticides, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals plus cyanide. The soil will be acceptable for use provided that all parameters meet the NYSDEC RSCOs.

- Prior to any construction activities, workers are to be notified of the site conditions with clear instructions regarding how the work is to proceed. Invasive work performed at the property will be performed in accordance with all applicable local, state, and federal regulations to protect worker health and safety.

Annual certifications were required to be submitted to the NYSDEC to confirm that the institutional and engineering controls that were put in place as part of this SMP were still compliant and that the cover systems were intact.

Soil/fill that is excavated during redevelopment activities that cannot be used as fill below the cover system will need to be further characterized prior to transportation off-site for disposal at a permitted facility. This characterization is to be done by screening the soils for qualitative evidence of impacts during the excavation process, and subsequent soil sample analysis dependent upon the quantity of soils removed. These soil samples are to be composited and analyzed by a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP) certified laboratory for pH (EPA Method 9045C), TCL SVOCs, pesticides, and PCBs, and TAL metals, and cyanide. Any grab samples collected will be analyzed for TCL VOCs.

If the analytical results indicate that concentrations exceed the standards for RCRA characteristics, the material will be considered a hazardous waste and must be properly disposed off-site at a permitted disposal facility within 90 days of excavation. If analytical results indicate that the soil is not a hazardous waste, the material may be properly disposed of off-site at a non-hazardous waste facility. Stockpiled soil cannot be transported off-site prior to receipt of analytical results.

If soils and subgrade materials are to be used as excavation backfill on the Subject Property, the following criteria is to be followed:

- Excavated on-site soil/fill which appears to be visually impacted shall be characterized through soil sample analysis. If analytical results indicate that any of the original impacts identified during the Phase II Assessment are present at concentrations below the RSCOs, then the excavated soil/fill can be used as a backfill on-site.
- Off-site fill material brought to the Subject Property for filling and grading purposes shall be from a borrow source that requires no regulatory approval for use at the property. This includes proper documentation of any virgin soils used. Virgin soils are still subject to sample analysis for the same analytes tested for in the impacted soils.
- Non-virgin soils used for fill materials are subject to additional sampling under the same analytical methods as the impacted soils. The required number of samples is dependent upon the quantity of soils brought on to the Subject Property.

### ***3.0 – Soil Workplan Oversight***

A SCE OSHA 40-hour HAZWOPER trained environmental scientist was on-site from September 13, 2021 through September 21, 2021, to observe and document the work plan activities performed by Savannah, conduct field characterization of soils for the presence of contaminants using visual/olfactory observation, qualitative field screening using a photoionization detector (PID), and to oversee the collection of soil samples for submission for laboratory testing by Atlantic Testing Laboratories (ATL).

#### ***3.1 – General work practices***

Savannah began the soil removal operations on September 13, 2021. Non impacted material from locations other than the former Rod Mill Parcel (mostly comprised of asphalt and concrete) had been placed upon the material from the former Rod Mill Parcel. Work began by displacing the non-impacted clean fill materials to other areas on the Martin Street property, per the property owner's request. A total of ten (10) loads of non-impacted, clean fill were transported to the north-end of the property.

Following the removal of these non-impacted clean fill materials, excavation and removal of former Rod Mill Parcel materials were loaded on trucks and taken back to the former Rod Mill Parcel. Savannah operated one (1) Volvo EC200E2 excavator to excavate materials into two (2) separate Mack dump trucks, which were used to transport materials back to the former Rod Mill Parcel, where the materials were then dumped onto the northern portion of the Hamilton Boathouse parcel and spread out as evenly as possible with a John Deere 650K dozer.

These work practices were completed by four (4) Savannah employees over the course of seven (7) 8-hour work shifts from September 13, 2021 through September 21, 2021. One (1) shift, on September 15, 2021 was less than an 8-hour work shift due to persistent rain. The weather for the remaining days was generally overcast to sunny, with temperatures averaging approximately 65°F.

#### ***3.2 – Quantity of Soil Removed***

SCE observed the removal of all soils from the off-site location throughout the duration of the project and kept a log of the loads that left the site on a daily basis. A summary of the impacted soils and materials removed from the off-site location and spread on the northern portion of the former Rod Mill Parcel is as follows:

- Day 1 (09/13/2021) = 3 dump truck loads
- Day 2 (09/14/2021) = 59 dump truck loads
- Day 3 (09/15/2021) = 42 dump truck loads
- Day 4 (09/16/2021) = 45 dump truck loads
- Day 5 (09/17/2021) = 44 dump truck loads
- Day 6 (09/20/2021) = 24 dump truck loads
- Day 7 (09/21/2021) = 8 dump truck loads

A total of 225 dump truck loads removed material from the Martin Street site back to the Hamilton Boathouse property and spread along the northern portion of the parcel. Estimated volumes of material removed were calculated by SCE from measurements that were taken on-site and from information provided by Savannah. Based on the given parameters, it was estimated that each load was approximately 12 cubic yards. With this volume, ***the total volume of material removed from the off-site location on Martin Street is estimated at ~2,700 cubic yards.*** Materials in each dump truck load included dark brown to black soils (coarse sand to clay, poorly sorted), red brick debris, gray concrete pieces and debris of varying sizes, and gravel.

#### *4.0 – Soil characteristics*

The location of the former Rod Mill Parcel soils that were stored and spread on the off-site Martin Street location were identified based on the following factors: information provided by Savannah and Beebe Construction, information provided by the property owner, preliminary site investigations by SCE, and soil characteristics observed during and after removal.

The Remedial Work Plan was developed by SCE for removal of the soils and materials from the off-site location. SCE performed an initial site investigation to determine the maximum extent of the impacted materials and to establish an estimated quantity of materials. With the assistance of Savannah, Beebe Construction, and the property owner, the impacted materials were identified in the southern portion of the off-site property, where the property owner spread the materials that were dumped on the property into the low-lying areas of the southern portion to build the property up to a level grade. As there were no records of neither the quantity of materials nor the number of trucks removed from the Hamilton Boathouse property, estimations within the Soil Work Plan were obtained during this preliminary on-site investigation. According to the calculations within the Soil Work Plan, there was approximately 1,000 cubic yards of material that were removed from the Hamilton Boathouse property and transported to the offsite location on Martin Street.

The offsite location soils were not recorded prior to deposition of the soils from the former Rod Mill Parcel and therefore were not able to be classified until during and after the excavation operations were performed by Savannah. This offsite property is a clean fill site for asphalt and construction companies, with various piles of clean fill evident on the entire property. SCE was able to classify and identify the soils and fill materials that originated from the former Rod Mill Parcel site based on the following characteristics:

Former Rod Mill Parcel soils that were delineated from the natural/pre-existing soils and fill materials on the offsite location on Martin Street were determined by composition and color, grain size, and sorting, with identifiable characterizations as follows:

- Composition and color = dark brown to black soils (coarse sand to clay), red brick debris, gray concrete pieces and debris, and gravel.
- Grain size = coarse sand to clay soils; brick debris from full-sized bricks to quarter-sized brick debris; concrete pieces from 5+ feet in length and width to six inches in length and width, and variable thicknesses from 3 feet to ~3 inches.
- Sorting = Very poorly sorted, including all compositions (soils, brick, concrete, and gravel).

These characteristics were identified by SCE while Savannah began excavation operations in the southern portion of the Martin Street property, where Savannah, Beebe Construction, and the property owner confirmed to SCE that this material was deposited.

Previously deposited layers underneath the impacted materials from the former Rod Mill Parcel were also identified by SCE and Savannah during the excavation operations. These demarcated layers were used as the “stopping point” for excavated materials, due to the unknown quantity of material that was transported to this site. As such, it was determined that the demarcated layers would be used as a stopping point, because of the unknown quantity. SCE identified four (4) separate demarcating layers based on the composition that was not congruent with the composition of the impacted soils and materials. The layers are as follows:

- Native soils: This layer was identified underneath the impacted soils along the southern and western boundaries of the excavation work area. These soils were clearly evident due to grass/vegetation cover overtop a well sorted brown sand soil.
- Mulch/wood chips over loose stone: This layer was identified underneath the impacted soils in the center and eastern boundary of the excavation work area. This layer became evident during excavation due to the presence of unnatural wood chips and mulch that were layered overtop a loose stone and gravel layer that were identified to not be part of the excavation operations at the Hamilton Boathouse.
- Loose brush, branches, and vegetation: This layer was identified underneath the impacted soils in the northwestern portion of the excavation area, between the native soils on the west of this section, and the mulch/wood chips layer on the east of this section. During excavation, this layer became evident underneath the impacted soils, where multiple piles ranging from 3 to 6 feet in height were found buried in place. During excavation, Savannah was able to sort through these vegetation piles to remove any suspect soils and debris overtop of the piles to verify that no impacted soils or materials remained in these sections.
- Various construction debris: This layer was identified underneath the impacted soils in the west-center, “terraced” section of the excavation area. This area became evident during excavation, as no brick or concrete debris from the former Rod Mill Parcel was present, however construction debris that differed from the property was present. This construction debris included vinyl siding, plastic materials, and roofing materials, all of which were not present on the former Rod Mill Parcel. During excavation, Savannah was able to sort through this section to remove any suspect soils and debris overtop of this construction debris to verify that no impacted soils or materials remained in this section.

Due to the complexity of the soil and debris characteristics on this site, as well as the lack of exact volume of material that had originally left the former Rod Mill Parcel, SCE and Savannah performed due diligence in removing and transporting materials from this offsite location back to the Hamilton Boathouse site. SCE and Savannah consulted throughout the project to identify any suspect materials (i.e. potentially impacted materials from the former Rod Mill Parcel) to assure removal from the Martin Street location.

### *5.0 – PID readings and Soil Sampling*

During excavation operations at the offsite location on Martin Street, SCE performed VOC screening of the excavated soils with a RKI GX-6000 Photoionization Detector (PID), calibrated daily to a 100-ppm isobutylene standard. This PID, along with olfactory and visual observations, were used to qualitatively screen the soils and materials on the offsite property for petroleum and/or VOC presence. Over the course of eight (8) days, every PID reading that was obtained was 0.0 ppm for VOCs in the soils on the offsite location. Additionally, SCE did not identify any visual or olfactory evidence of petroleum or VOC impact in the soils deposited or removed from the offsite location.

For quantitative analysis of the soils on the offsite property location, ATL performed two (2) sets of soil sampling for the offsite location on Martin Street including a preliminary screening prior to excavation, and a secondary/final screening following completion of excavation. A copy of the lab report is provided as Appendix C.

Initial, pre remedial action sampling was tested on the known locations of soils that were brought to the offsite location that originated from the Hamilton Boathouse site. These samples resulted in several samples recorded as above Unrestricted Use Soil Cleanup Level for 6 NYCRR Part 375/NYSDEC CP-51. Elevated results included:

- SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene).
- Polychlorinated Biphenyls (PCBs).
- Pesticides (chlordane).
- Target Analyte List (TAL) metals (aluminum, barium, cadmium, calcium, copper, iron, lead, mercury, nickel, and zinc).
- Average pH of the initial soil samples was calculated to be 9.08.
- A summary table is included in Appendix C.

Final, post remedial action sampling was tested on the known locations of soils that were demarcated below the soils that were excavated from the offsite property, to determine impact to the native and in-place soils and materials that were originally on the property. These samples contained results above the Unrestricted Use Soil Cleanup Level as well, but to differing degrees and compositions. Elevated results included:

- Pesticides (4,4'-DDT).
- TAL metals (calcium, copper, iron, lead, mercury, vanadium, and zinc).
- Average pH of the final soil samples was calculated to 7.99.
- A summary table is included in Appendix C.

Based on the results of both sets of samples, it appears that the composition of the soils remaining at Martin Street property is not the same composition of the soils that were stockpiled from the former Rod Mill Parcel. The laboratory results indicate that there are no SVOCs on the offsite property, which was the basis for the original Soil Management Plan that was



implemented for the former Rod Mill Parcel. Additionally, the difference in average pH (difference of 1.09 in pH), indicates a difference in overall composition in the soils, since the former Rod Mill Parcel soils were determined to be relatively basic (average pH of 9.08), compared to the current condition soils which are more neutral (average pH of 7.99).

For the remaining soils in place at the offsite location on Martin Street, there are still results that were found to be above the Unrestricted Use Soil Cleanup Objective, which are listed above. Although multiple compositions are listed, the only results that were found at a higher level than the initial samples were from 4,4'-DDT, calcium, mercury, and vanadium.

Results of all soil sampling activities performed by ATL can be found attached to this document in Appendix C.

### ***6.0 – NYSDEC Oversight***

NYSDEC personnel led by Sarah Harrison performed field inspection site visits. On September 13, 2021, two (2) NYSDEC representatives from the local Spill Response Team were at the Martin Street location to review progress and observe the work practices for the soil removals. The NYSDEC was notified by SCE of the completion of all soil removal and that soil sampling was scheduled for September 22, 2021. NYSDEC representative Sarah Harrison was once again onsite to observe and document the completion of impacted soil and materials removal from the offsite location. SCE met with the representative both times they were onsite to answer any questions and concerns that they may have.

### *7.0 – Spoils at Hamilton Boathouse*

Per the approved work plan, all 225 loads of soils and materials that were removed from the offsite location on Martin Street were transported back to the former Rod Mill Parcel and spread along the northern portion of the property. This northern portion is currently owned by the City of Rome and within the bounds of the area covered by the SMP. According to Savannah and Beebe, the center section of this northern portion was to remain clear of spread materials, as they were in the process of developing a public utilities corridor (traversing north-south), and therefore the excavated materials were spread into two (2) sections- a western section and an eastern section. While SCE was on site, these soils were still in the process of being spread and compacted by Savannah. Additionally, excavation was ongoing at the Hamilton Boathouse project site, with the soils removed from this site being added to the already spread materials on the northern parcel, and therefore any measurements that were made by SCE while onsite are an estimate.

The materials that were spread on the northern parcel included large pieces of concrete that are too large to bury in-place as is. In conjunction with conversations with the City of Rome Engineering Department, it was agreed upon that any concrete pieces that were larger than 24” in any dimension would need to either be broken into smaller pieces for use as fill material or would need to be transported to and disposed of as construction and demolition (C&D) debris at an approved landfill. While SCE was on-site, these larger concrete pieces were staged into four (4) separate piles while spreading of soils continued, with the concrete anticipated to be broken into smaller pieces. All concrete was subsequently reused as fill on the site.

In February of 2022, HOLT updated SCE on the status of the ongoing construction operations of the Hamilton Boathouse project. All excavated materials that were removed from the off-site location were properly spread across the northern portion of the Subject Property. Additional materials were excavated from the Hamilton Boathouse project and added to the northern parcel and spread as well. Due to time constraints from the time of year of the original project oversite, the northern portion of the property was not reseeded or mulched. However, a topsoil overlay had been added to the northern parcel to adhere to the SMP, with anticipated reseeded and mulching of the topsoil, anticipated once weather permits to promote rapid growth of vegetation and limit runoff from the property.

## *8.0 – Summary of Findings*

On September 13, 2021, SCE began observation and documentation of Savannah civil site work mobilized to the offsite location on Martin Street in the City of Rome, Oneida County, New York, to remove the impacted soils that had been previously transported to the site from the former Rod Mill Parcel, on Mill Street. Over the course of eight (8) shifts, with the final removals being completed on September 21, 2021, a total of 225 dump truck loads worth of impacted soils and debris, calculated at an estimated 2,700 cubic yards of material, was removed from the offsite Martin Street location, and spread along the northern portion of the Hamilton Boathouse site, with all work being performed according to the NYSDEC-approved Soils Work Plan.

Atlantic Testing Laboratories (ATL) performed soil sampling at the Martin Street offsite location prior to material removals on August 6, 2021, and again following the completion of all material removals on August 22, 2021. The summary of all soil sampling and laboratory analysis performed by ATL can be found in Appendix B. Following the completion of soils and materials removal, it was determined that the soil does not contain significant levels of the target VOC, semi-VOC, PCB, and cyanide, as all target compounds for these analyses were non-detect or below the Unrestricted Use SCO per 6 NYCRR Part 375 or NYSDEC CP-51. Although some pesticides and metals do exceed the NYSDEC Unrestricted Use SCO, it was determined that these results are from materials that were on-site prior to deposition of the Hamilton Boathouse materials, as the concentrations of these metals and pesticides are not congruent with what was originally sampled prior to removal activities.

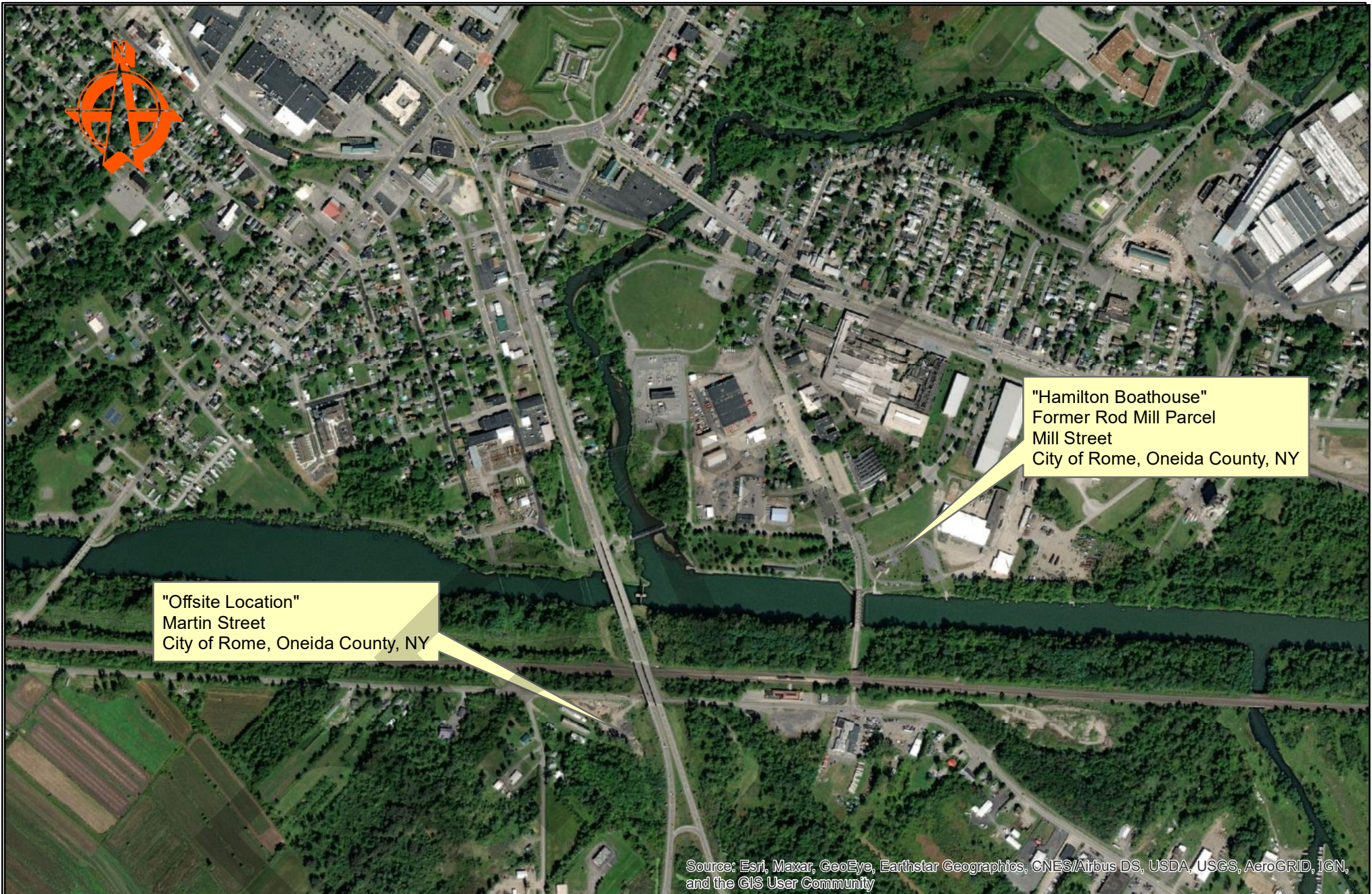
The materials that were transported back to the Hamilton Boathouse site were spread along the northern portion of the Hamilton Boathouse site, where the larger pieces of concrete and debris (greater than 24”) were to be broken into smaller pieces to allow for burial and spreading along the site. Following completion of spreading and deposition, this area was capped with a cover system of clean fill topsoil to a depth of at least six (6) inches, with hydroseeding and mulching anticipated to be implemented once weather permits to promote rapid growth of vegetation, consistent with the Soil Management Plan.

With the successful return of fill material from the Martin Street location to the former Rod Mill Parcel, capping of the area following guidelines in the SMP, and pending seeding of the cap, no further action is required.

*Figure 1 – Project Site Location*







**Legend**

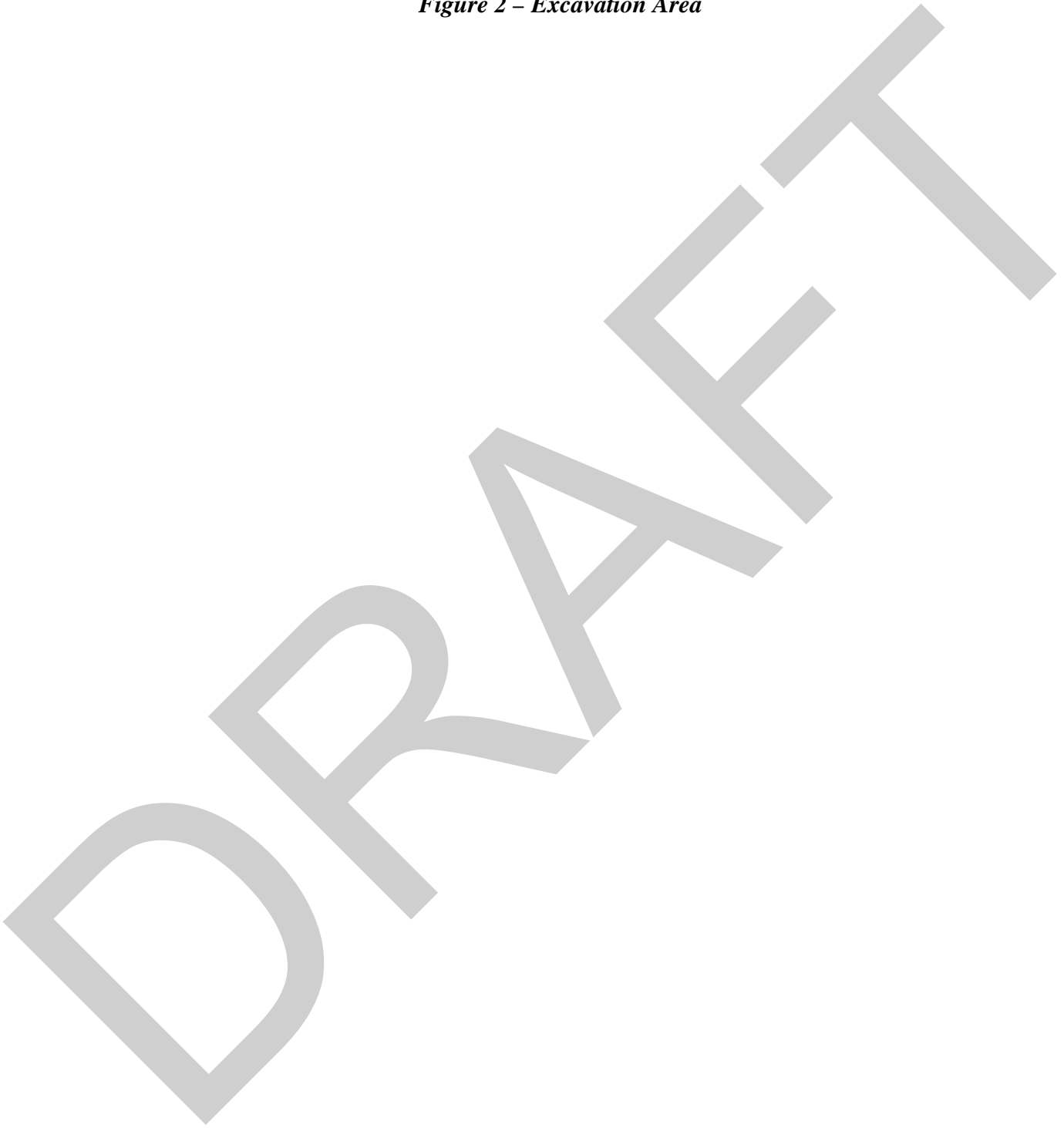
**FIGURE 1**  
**Project Site Locations**

City of Rome, New York  
Oneida County

0 270 540 1,080 1,620 2,160 Feet  
1 inch = 833 feet  
1:10,000




*Figure 2 – Excavation Area*





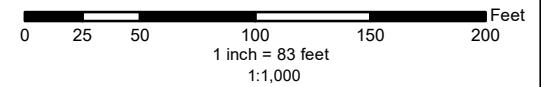
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**Legend**

 = Excavated Area

**FIGURE 2**  
Excavation Area and Limits

"Offsite Location" - Martin Street  
City of Rome, New York  
Oneida County





*Appendix A – Site Photo Log*

DRAFT

**APPENDIX A - PHOTOGRAPHS**

**Project Name & Job Number:** Hamilton Boathouse Workplan Oversight, Project No. 20010.00

**Project Address(es):**

Hamilton Boathouse Northern Portion, Mill Street, City of Rome, Oneida County, NY

Offsite location, Martin Street, City of Rome, Oneida County, NY

**Photo Number:** 1

**Photo Date:** 09/13/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** South

**Photo Description:** Project work area initial site conditions, first day of workplan oversight work with Savannah Civil Site Work.





**Photo Number:** 2

**Photo Date:** 09/13/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** West

**Photo Description:** General soils and materials conditions and characteristics of soils and materials that originated from the Hamilton Boathouse (former Rod Mill Parcel) project area.





**Photo Number:** 3

**Photo Date:** 09/13/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** South

**Photo Description:** Clearing of center roadway of non-impacted materials. These materials were moved to the northern portion of the Martin Street property, per property owner's request.



**Photo Number: 4**

**Photo Date: 09/13/2021**

**Photo Location: Hamilton Boathouse Northern Portion, Mill Street, City of Rome, Oneida County, NY**

**Direction Facing: Southeast**

**Photo Description: Initial site conditions at the Hamilton Boathouse Northern Portion, prior to offsite soil transport from Martin Street.**





**Photo Number:** 5

**Photo Date:** 09/14/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** Southeast

**Photo Description:** Beginning of excavation on southeast extent of the offsite property location. Native soils and vegetative delineated layer present below excavated materials.





**Photo Number:** 6

**Photo Date:** 09/14/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** Northwest

**Photo Description:** Southwest extent of excavation area, work in progress photo. Note the irregularity in size/shape and overall quantity of concrete pieces that were present throughout the entirety of the project.





**Photo Number:** 7

**Photo Date:** 09/16/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** North

**Photo Description:** Height of southern excavation area measured at it's greatest height at this location, at ~14'.





**Photo Number:** 8

**Photo Date:** 09/17/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** South

**Photo Description:** PID use and reading for VOC's in materials. For entirety of project, every PID reading equaled 0.0 ppm. No olfactory or visual evidence of petroleum or hazardous waste impacts were identified along with PID use for qualitative analysis of soils.



**Photo Number: 9**

**Photo Date: 09/20/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: North**

**Photo Description: Various brush, vegetation, and construction debris that was identified as a separate layer below the excavated materials that originated from the Hamilton Boathouse site.**





**Photo Number: 10**

**Photo Date: 09/22/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: North**

**Photo Description: Final site conditions following removal of materials from offsite location.**





**Photo Number: 11**

**Photo Date: 09/22/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: Southwest**

**Photo Description: Final site conditions following removal of materials from offsite location.**





**Photo Number: 12**

**Photo Date: 09/22/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: North**

**Photo Description: Final site conditions following removal of materials from offsite location, from southern extent of excavation area.**



**Photo Number:** 13

**Photo Date:** 09/22/2021

**Photo Location:** Offsite location, Martin Street, City of Rome, Oneida County, NY

**Direction Facing:** Southeast

**Photo Description:** Final site conditions following removal of materials from offsite location, from western extent of excavation area.





**Photo Number: 14**

**Photo Date: 09/22/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: South**

**Photo Description: Final site conditions following removal of materials from offsite location, from northwestern area**



**Photo Number: 15**

**Photo Date: 09/22/2021**

**Photo Location: Offsite location, Martin Street, City of Rome, Oneida County, NY**

**Direction Facing: Southwest**

**Photo Description: Final site conditions following removal of materials from offsite location, from center roadway**





**Photo Number: 16**

**Photo Date: 09/22/2021**

**Photo Location: Hamilton Boathouse Northern Portion, Mill Street, City of Rome, Oneida County, NY**

**Direction Facing: Southeast**

**Photo Description: Northern portion site conditions following removal of all materials from offsite location. Spreading of soils and burial of concrete pieces were still ongoing at the time of this picture. Larger pieces of concrete that could not be buried were piled together to await disposal or for breaking down into smaller pieces.**



**Photo Number:** 17

**Photo Date:** 11/11/2021

**Photo Location:** Hamilton Boathouse Northern Portion, Mill Street, City of Rome, Oneida County, NY

**Direction Facing:** Southeast

**Photo Description:** Northern portion site conditions following spreading of impacted materials and installation of topsoil as a cover system to adhere to the SMP.





**Photo Number: 18**

**Photo Date: 11/11/2021**

**Photo Location: Hamilton Boathouse Northern Portion, Mill Street, City of Rome, Oneida County, NY**

**Direction Facing: Northeast**

**Photo Description: Northern portion site conditions following spreading of impacted materials and installation of topsoil as a cover system to adhere to the SMP.**



*Appendix B – Hamilton Boathouse Soil Work Plan and NYSDEC Approval Letter*

DRAFT

August 17, 2021

SCE Project: 20010

Mr. Nathan Brown, AIA  
Associate, LEED AP  
HOLT Architects, P.C.  
132 East Jefferson Street  
Syracuse, NY 13202  
[nb@holt.com](mailto:nb@holt.com)

**Re: Hamilton College Boathouse Soil Work Plan  
City of Rome, Oneida County, New York  
VCA V00077 (D6-0001-97-01)**

Dear Mr. Brown:

Shumaker Consulting Engineering and Land Surveying, D.P.C. (SCE) has prepared the attached draft Soil Work Plan pursuant to HOLT Architects Consultant Services Agreement, Amendment #004 dated August 4, 2021, to assist HOLT and Hamilton College with management of soils excavated during construction of the new Hamilton Boathouse at the former Rod Mill Parcel property. The former Rod Mill Parcel is subject to a Soil Management Plan (SMP) as part of a Voluntary Cleanup Agreement (VCA V00077 Index D6-0001-97-07). During excavation for the new Boathouse in May 2021, some excavated soil and debris were transported to and stockpiled at an offsite property. The New York State Department of Environmental Conservation (NYSDEC) was notified and requested preparation of this Soil Work Plan. Information about the project was gathered by email, anecdotal information, photo documentation, interviews, and observations.

Please review the attached draft Soil Work Plan and advise if there are any questions or comments. SCE appreciates the opportunity to provide support to Holt and Hamilton College for this project.

Very truly yours,

**SHUMAKER CONSULTING ENGINEERING  
AND LAND SURVEYING, D.P.C.**

Paul A. Speranza, P.E.  
*Senior Managing Engineer  
Environmental Division*  
[psperanza@shumakerengineering.com](mailto:psperanza@shumakerengineering.com)

Attachments: Figures 1-4

cc:  
Jim Driscall – SCE  
Linda Shumaker – SCE  
Barry Rivet – Hamilton College  
Nathan Brown – Holt Architects

[jdriscall@shumakerengineering.com](mailto:jdriscall@shumakerengineering.com)  
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[brivet@hamilton.edu](mailto:brivet@hamilton.edu)  
[nb@holt.com](mailto:nb@holt.com)

# Hamilton College Boathouse Soil Work Plan

## City of Rome

### Oneida County, New York

#### I. Background

The Hamilton College Boathouse is being constructed on property which was part of the former Rod Mill Parcel of the Old General Cable Site in the City of Rome. The former Rod Mill Parcel is subject to a Voluntary Cleanup Agreement (VCA) V00077, Index Number D6-0001-97-07 and NYSDEC spill numbers 02-12777 and 02-12778. The property is subject to a Soil Management Plan (SMP) approved by the NYSDEC in 2005. A copy of the SMP is provided in Appendix A.

According to the SMP, a cover system in the form of a minimum of six (6) inches of clean soil with vegetation, or six (6) inches of Concrete or six (6) inches of asphalt must be in place over subsurface materials at the site. Any soil removed for redevelopment is required to be sampled with the following guidelines. The composite sample will be analyzed by a NYSDOH ELAP certified laboratory for pH (EPA Method 9045C), Target Compound List (TCL) Semi Volatile Organic Compounds (SVOC)s, pesticides, and Polychlorinated-by-phenols (PCB)s, and Target Analyte List (TAL) metals, and cyanide. The grab sample will be analyzed for TCL Volatile Organic Compounds (VOC)s. The SMP does allow for excavated material to be reused on the former Rod Mill Parcel if analysis is within recommended Soil Cleanup Objectives (SCO)s and covered by the approved cover system.

In May 2021, work began on excavation for the new Hamilton Boathouse project. Excavation was planned to a depth of 8 feet below ground surface (bgs) but it was determined soils were unsuitable for the foundation for the Boathouse building. Also encountered were large amounts of concrete from previous building footings. This resulted in the excavation being wider and deeper than originally planned. The site footprint was too small to store the amount of stockpiled material from the excavation, therefore the contractor transported some of the stockpile to an offsite location near the Route 49 overpass on Martin Street. Based on estimates from the contractor and measurements from the offsite location, approximately 1,000 cubic yards ± of excavated material were transported. See Figure 1 for site and offsite locations.

Simultaneously, approval to stockpile material at a location on City of Rome property just north of the Hamilton Boathouse excavation was sought. Shortly after the SMP was discovered. This property is part of the former Rod Mill Parcel, within the bounds of the SMP and owned by the City of Rome. The City of Rome subsequently gave permission to stockpile excavated material in this location. Since the discovery of the SMP, all excavated material was transported and stockpiled there.

After discovery of the SMP and the transfer of material offsite, the NYSDEC was notified. Mr. Peter Ouderkirk was contacted, and he requested an email correspondence detailing the events of the project. This correspondence was sent July 2, 2021. The reply to the correspondence detailed the requirements from the NYSDEC to:

- Remove the material transported to the offsite location to a permitted disposal facility or back to the site of origin for proper restoration. If the soil is not removed, a deed restriction and SMP will be required for the offsite location.
- After removal, the area the material was in contact with is to be tested for the parameters outlined in the SMP to verify removal has been sufficient.
- All material excavated but left on the former Rod Mill Parcel must be placed, compacted, covered and controls as directed by the SMP. Documentation of these actions will be required.

- In a subsequent phone call, the NYSDEC was queried what parameters must be followed that would allow the material to remain at the offsite location without the deed restrictions and SMP. If soils are to remain at the offsite location they will need to be sampled for the parameters indicated in the SMP and results for all analysis will need to meet Residential Use - Soil Cleanup Objectives (SCO) for all samples collected.

SCE and the Subcontractor to Hamilton College will provide the following services to address the excavated material.

- Mobilization to the offsite location to conduct soil sampling of the material transported. Sample areas indicated in the attached Figure 2. Samples will be collected in a manner outlined in the SMP for composite and grab samples. Further discussion of sampling methodology is included in Section II and Section III below. Based on criteria in the SMP, twelve (12) samples of this material will be collected. Samples will be analyzed for the parameters outlined in the SMP.
- If sampling indicates any of the 12 samples collected is above Residential Use SCOs all the transported material at the offsite location will be removed and transported back to the site. If this material is removed, soil samples will be collected from areas in direct contact to removed material for the same parameters as listed in the SMP. Sample frequency using guidelines from DER-10 / Technical Guidance for Site Investigation and Remediation (DER-10) will be used to determine the appropriate number of samples.
- All excess material removed from the Boathouse excavation will be taken to the City of Rome owned parcel directly north of the Boathouse location. This material will be handled in a manner promulgated by the SMP. The material will be leveled out, the large pieces of concrete and other debris removed, then covered with a minimum of six (6) inches of clean cover and seeded with grass seed.
- Preparation of a Final Report will document the findings from the sample analysis and activities conducted.

## **II. Collection and Documentation of Soil Samples from Offsite property**

Based on estimates from the contractor and measurements from the offsite location, approximately 1,000 cubic yards  $\pm$  of excavated material were transported. See Figure 2 and Figure 3 for the location of the transported material and size calculations. The material was leveled off at the time of deposition and is currently at the same level as grade on the east side of the property. The material was used to fill in a low area that sloped down gradient to the west. This makes the material wedge shaped. The height of the material where it terminates on the east side is approximately five (5) to ten (10) feet above grade. The length is approximately 140 feet long and 40 feet wide at the widest point. There is an additional area on the southern portion that is more cube shaped approximately 30 feet long by 30 feet wide and 8 feet deep.

Using guidelines from the SMP and DER-10, a representative sample will be collected for every 100 cubic yards. To make up for any estimating shortfalls, two (2) additional samples will be collected. Sample will be collected using guidelines from the SMP. A Photoionization Detector (PID) calibrated to a 100-ppm isobutylene standard will be used to screen random soil samples from the stockpiled material. Depths will be chosen based on stockpile thickness so samples will be representative of the total volume. PID readings will be recorded and for every five (5) locations screened, one (1) composite sample will be collected, and one (1) grab sample will be collected from the sample exhibiting the highest PID reading, for VOC analysis. If no PID readings are recorded, a random sample of the five (5) locations will be used as the grab sample.

Soil samples will be composited by placing equal portions from each of the five (5) composite sample locations into a pre-cleaned, stainless steel (or Pyrex glass) mixing bowl. The soil/fill will be thoroughly

homogenized using a stainless-steel scoop or trowel and transferred to dedicated sample containers provided by the laboratory.

Composite samples will be submitted to a NYS ELAP certified lab for the following analysis.

- pH (EPA Method 9045C)
- Target Compound List SVOCs
- Pesticides
- PCBs
- TAL metals
- Cyanide
- TCL VOCs (Grab sample)
- Each sample will also be measured with a Photo ionization detector (PID) and the result recorded for inclusion in the analytical report.

If the analytical results from all 12 samples indicate analyte concentrations are below Residential Use SCOs, the NYSDEC will be requested to allow the soils to remain at the offsite location without issuing a deed restriction or Institutional and Engineering Controls for the property.

If sampling indicates one or more sample results are above Residential Use SCOs the material will be removed from the property and returned to the former Rod Mill Parcel for proper placement, compaction, cover and controls. See details in the Section III.

### **III. Removal of Transported Material from Offsite Property.**

If the previous testing requires removal of the material back to the site of origin, SCE will oversee removal of the stockpiled material from the offsite location back to the former Rod Mill Parcel. With DEC approval, SCE will observe and conduct the contractor what material needs to be removed from the offsite location. This material will be loaded on trucks to be taken back to the area north of the Boathouse excavation, within the boundary of the area managed by the SMP. If other soils have been placed on or around the material subsequent of original placement, the other soils will be displaced or removed to the point the material from the former Rod Mill Parcel is not disturbed. Material was placed in an area over vegetation and distinguishable from what is to be removed. The area at the offsite location is depicted in Figure 2 and Figure 3.

At the terminus of the material removal, samples will be collected following DER-10 excavation guidelines, for analysis as indicated in the SMP. Based on physical measurement calculations, the transported soil covers an area approximately 5,500 sf ±. DER-10 recommends one sample for every 900 sf of excavation. A total of six (6) samples will be collected from random areas of native material. Sample collection will be similar to what is outlined in Section II.

For each sample, a PID reading will be recorded at five (5) random locations. The material from these locations will be used to collect one (1) composite sample, and one (1) grab sample will be collected from the sample exhibiting the highest PID reading, for VOC analysis. If no PID readings are recorded, a random sample of the five (5) locations will be used as the grab sample.

Soil samples will be composited by placing equal portions from each of the five (5) composite sample locations into a pre-cleaned, stainless steel (or Pyrex glass) mixing bowl. The soil/fill will be thoroughly homogenized using a stainless-steel scoop or trowel and transferred to dedicated sample containers provided by the laboratory.



Samples will be submitted to a NYS ELAP certified lab for the following analysis.

- pH (EPA Method 9045C)
- Target Compound List SVOCs
- Pesticides
- PCBs
- TAL metals
- Cyanide
- TCL VOCs
- Each sample will also be measured with a Photo ionization detector (PID) and the result recorded for inclusion in the analytical report.

The results of the sampling will be included in the final report.

#### **IV. Disposition of Excavated Material**

All material excavated from the Boathouse location will be spoiled on the section of the former Rod Mill Parcel just north of the boathouse location, following the guidelines outlined in the SMP. This parcel is owned by the City of Rome. The City of Rome has granted permission for the material to be placed there. See Figure 4 for the area material will be spread. Any material with visual evidence of impacts (staining, elevated ID readings, etc.) will be segregated and stockpiled for removal to the Oneida Herkimer Solid Waste Authority (OHSWA). In addition, The City of Rome has asked all concrete too large to be covered by spreading the material, be removed to facilitate the appropriate cover. This concrete will be tested and removed for proper disposal with NYSDEC permission.

Following the guidelines in the SMP, material will be spread out on the area indicated on Figure 4. The material will be spread to a thickness to accommodate the volume with smoothed out transitions so there is no abrupt changes in the elevation. After the material is spread and all large pieces of concrete removed, the area the material occupies will be covered by a minimum of six (6) inches of clean fill and then hydroseeded and covered in mulch to promote rapid growth of vegetation.

It is estimated that the total volume of material excavated will be approximately 2,500 cubic yards. This will raise the current level of the parcel approximately 1.25 feet before additional clean cover is imported. The actual amount placed and covered will depend on how much is transported to OHSWA and back to the Boathouse to be used in final grading.

#### **V. Reporting**

After the completion of the aforementioned activities, SCE will prepare a Summary Report to document the investigation findings and final disposition of the excavated material. The report will contain results of the investigation events, discuss the findings of field screening, present a layout of soil sample locations, provide a detailed discussion of sample analytical results as they relate to the project and discussion of the final placement of excavated materials.

Based on review of the information, future remedial actions/recommendations as well as plans, specifications, and estimates will be evaluated and proposed, if warranted.



SITE CODE V00077

FIGURE - 4

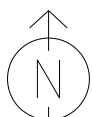
FIGURE - 2 AND FIGURE - 3

NOTE:  
1. IMAGERY SHOWN IS NOT CURRENT.



LOCATION MAP

MARTIN STREET, CITY OF ROME  
ONEIDA COUNTY, NY



NOT TO SCALE

SCE PROJECT NO.  
20010

DATE  
AUGUST 2021

DRAWING NO.  
FIGURE - 1





**NOTES:**

1. IMAGERY SHOWN IS NOT CURRENT.
2. ROUGH AREA MATERIAL WAS SPREAD. GRADE BEGINS ON EASTERN BOUNDARY AND IS LEVELED OFF 5 TO 10 FEET ABOVE EXISTING GRADE ON WEST SIDE. MATERIAL WAS PUSHED INTO THE WOODS THAT SLOPES DOWN GRADIENT TO THE WEST.



OFFSITE LOCATION  
MATERIAL PLACEMENT MAP

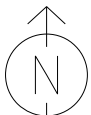
MARTIN STREET, CITY OF ROME  
ONEIDA COUNTY, NY

SCE PROJECT NO.  
20010

DATE  
AUGUST 2021

DRAWING NO.  
FIGURE - 2

NOT TO SCALE



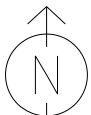




NOTE:  
1. IMAGERY SHOWN IS NOT CURRENT.



LEGEND	
<span style="color: pink;">●</span>	PRE REMOVAL SAMPLING LOCATION
<span style="color: green;">●</span>	POST REMOVAL SAMPLING LOCATION



NOT TO SCALE

OFFSITE LOCATION MATERIAL AREA MAP		
MARTIN STREET, CITY OF ROME ONEIDA COUNTY, NY		
SCE PROJECT NO. 20010	DATE AUGUST 2021	DRAWING NO. FIGURE - 3





**NOTES:**

1. IMAGERY SHOWN IS NOT CURRENT.
2. SITE OF UTILITY EXCAVATION WILL NOT HAVE EXCESS MATERIAL PLACED IN THIS LOCATION. TRANSITIONS OF COVER WILL BE GRADED TO ACCOMMODATE.



FORMER ROD MILL PARCEL  
MATERIAL PLACEMENT MAP

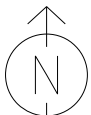
MARTIN STREET, CITY OF ROME  
ONEIDA COUNTY, NY

SCE PROJECT NO.  
20010

DATE  
AUGUST 2021

DRAWING NO.  
FIGURE - 4

NOT TO SCALE



*Appendix C – ATL Soil Sampling and Analysis Report*

DRAFT



# ATLANTIC TESTING LABORATORIES

## Utica

301 St. Anthony Street  
Utica, NY 13501  
315-735-3309 (T)  
315-735-0742 (F)

September 30, 2021

Hamilton College  
198 College Hill Road  
Clinton, New York 13323

Attn: Barry Rivet

Re: Soil Sampling and Analysis  
Martin Street Stockpile  
Rome, Oneida County, New York  
ATL Report No. UT5544CE-01-08-21 Revision 1

Ladies/Gentlemen:

Enclosed is a copy of the Soil Sampling and Analysis Report prepared for the referenced site. This project was completed in accordance with the scope of work outlined in our contract (ATL No. UT5998-462-08-21).

Please contact our office should you have any questions, or if we may be of further assistance.

Sincerely,  
*ATLANTIC TESTING LABORATORIES, Limited*

Matthew A. Clum, MBA, CHMM  
Project Manager

MAC/CJD/mc

Enclosures



**SOIL SAMPLING AND ANALYSIS REPORT**

**MARTIN STREET STOCKPILE  
ROME, ONEIDA COUNTY, NEW YORK**

**atl**

**PREPARED FOR:**

**Hamilton College  
198 College Hill Road  
Clinton, New York 13323**

**PREPARED BY:**

**Atlantic Testing Laboratories, Limited  
301 St. Anthony Street  
Utica, New York 13501**

**ATL REPORT NO. UT5544CE-01-08-21 Revision 1**

**September 30, 2021**

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DRAFT

## 1.0 INTRODUCTION

### 1.1 Purpose

Atlantic Testing Laboratories, Limited (ATL) was retained to provide soil sampling and analysis for stockpiled soil material associated with the Hamilton College Boathouse Project. The purpose of this report is to provide a summary of the sampling activities performed at the Martin Street site on August 6 and September 22, 2021, and associated laboratory analysis data.

### 1.2 Site Description

The subject stockpile is from the Hamilton College Boathouse project, and is located near Martin Street, in Rome, Oneida County, New York. According to Rome City Engineer Joe Juliano, soil contaminated with No. 4 fuel oil was previously remediated from the Hamilton College Boathouse site. Per direction from representatives of Hamilton College, soil was stockpiled on the Martin Street site and required additional sampling to characterize.

## 2.0 SOIL SAMPLING AND ANALYSIS

### 2.1 Sample Locations and Sampling Methodology

The soil is planned to be utilized in support of the Hamilton College Boathouse Project. As directed by representatives of Hamilton College, 14 discrete soil samples and 14 composite soil samples (each comprised of 4 grab samples) were collected and submitted for subsequent laboratory analysis. In conjunction with soil sampling, a RAE Systems MiniRAE 3000 photoionization detector (PID), with a range of up to 15,000 parts per million (ppm), was utilized to screen soil samples for the measurable presence of volatile organic compounds (VOC). The soil sampling was conducted on August 6 and September 22, 2021.

The samples submitted for laboratory analysis were collected in clean laboratory glassware, with Teflon-lined lids, in accordance with industry standard protocol. Disposable sampling equipment (i.e., plastic bags and nitrile gloves) was utilized to collect and homogenize the samples. The samples were stored in a cooler with ice during storage and delivery to the laboratory. Samples for this project were submitted to Alpha Analytical located in Westborough, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) approved laboratory (ELAP No. 11148). The 14 discrete grab samples were laboratory analyzed for VOC. The 14 composite samples were laboratory analyzed for semi-VOC, pesticides, cyanide, target analyte list (TAL) metals, and polychlorinated biphenyls (PCB). A summary of the ambient and headspace PID readings and soil analysis results are contained in Appendix A, and a copy of the laboratory reports and associated sample custody documentation is contained in Appendix B.

### 2.2 Summary of Soil Sampling and Laboratory Analysis Data

The PID screening for selected soil material did not detect a measureable concentration of VOC during the soil sampling events, as shown in Table A-1 of Appendix A. As indicated in Tables A-2 and A-4 of Appendix A, laboratory analysis of the 14 discrete soil grab samples collected from the stockpile did identify detectable concentrations of target



VOC below the corresponding NYSDEC part 375 CP-51 Unrestricted Use Soil Cleanup Objectives (SCO).

As indicated in Table A-3 of Appendix A, laboratory analysis of the composite soil samples collected on August 6, 2021 identified detectable concentrations of semi-VOC, PCB, pesticides, and various metals. Some of these detected compounds exceed the NYSDEC Unrestricted SCO. All detected compounds, with the exception of Benzo(a)pyrene, satisfy the Commercial Use and Industrial Use SCO.

As indicated in Table A-5 of Appendix A, laboratory analysis of the composite soil samples collected on September 22, 2021 identified detectable concentrations of semi-VOC, PCB, pesticides, and various metals. Some of the compounds exceed the NYSDEC Unrestricted Use SCO. All detected compounds, with the exception of copper and mercury for some of the samples, satisfy the Commercial Use and Industrial Use SCO.

### **3.0 SUMMARY OF FINDINGS**

Information provided to ATL indicates the soil stockpile was proposed to be reused at the Martin Street site. The laboratory analysis results for the soil samples collected on August 6, 2021 indicate that the soil does not contain significant levels of the target VOC or cyanide, as all target compounds for these analyses were non-detect or below the Unrestricted Use SCO per 6 NYCRR Part 375 or NYSDEC CP-51. Some of the concentrations for semi-VOC, PCB, pesticides, and metals do exceed NYSDEC Unrestricted Use SCO that are established in 6 NYCRR Part 375 and NYSDEC CP-51 policy document.

The laboratory analysis results for the soil samples collected on September 22, 2021 indicate that the soil does not contain significant levels of the target VOC, semi-VOC, PCB, and cyanide, as all target compounds for these analyses were non-detect or below the Unrestricted Use SCO per 6 NYCRR Part 375 or NYSDEC CP-51. Some of the concentrations for pesticides and metals do exceed NYSDEC Unrestricted Use SCO that are established in 6 NYCRR Part 375 and NYSDEC CP-51 policy document.

**APPENDIX A**

**SUMMARY OF SOIL SAMPLING AND LABORATORY ANALYSIS RESULTS**

**Table A-1**  
**Summary of Photoionization Detector Readings**  
**Obtained During Soil Sampling Event on August 6 and September 22, 2021**

<b>Sample ID</b>	<b>UT5544GS01</b>	<b>UT5544GS02</b>	<b>UT5544GS03</b>	<b>UT5544GS04</b>	<b>UT5544GS05</b>	<b>UT5544GS06</b>	<b>UT5544GS07</b>
Date Collected	8/6/21	8/6/21	8/6/21	8/6/21	8/6/21	8/6/21	9/22/21
PID Ambient Reading (ppm)	ND	ND	ND	ND	ND	ND	ND
PID Headspace Reading (ppm)	ND	ND	ND	ND	ND	ND	ND
<b>Sample ID</b>	<b>UT5544GS08</b>	<b>UT5544GS09</b>	<b>UT5544GS10</b>	<b>UT5544GS11</b>	<b>UT5544GS12</b>	<b>UT5544GS13</b>	<b>UT5544GS14</b>
Date Collected	9/22/21	9/22/21	9/22/21	9/22/21	9/22/21	9/22/21	9/22/21
PID Ambient Reading (ppm)	ND	ND	ND	ND	ND	ND	ND
PID Headspace Reading (ppm)	ND	ND	ND	ND	ND	ND	ND
ppm = parts per million, or mg/kg. ND = Not detected PID= Photoionization detector							



**Table A-2  
Summary of Laboratory Analysis Results- VOC  
Soil Samples Collected August 6, 2021**

Sample Location	Stockpile North	Stockpile North Center	Stockpile Center	Stockpile South Center	Stockpile Southwest	Stockpile South	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544GS01	UT5544GS02	UT5544GS03	UT5544GS04	UT5544GS05	UT5544GS06			
<b>VOC(ppm)</b>									
Acetone	0.0072	0.01	0.026	0.021	ND	0.0061	0.05	500	1,000
Naphthalene	ND	ND	0.0011	0.0054	ND	ND	12	500	1,000
1,3,5- Trimethylbenzene	ND	ND	0.00031	ND	ND	ND	8.4	190	380
p-Isopropyltoluene	ND	ND	ND	0.00033	ND	ND	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	---	---	---

**NOTES:**

Samples collected as grab samples from selected locations of soil stockpiles.

Samples collected by representatives of Atlantic Testing Laboratories, Limited on August 6, 2021, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).

Copies of the laboratory report and sample custody documentation are contained in Appendix B.

ppm= parts per millions

VOC= volatile organic compounds

ND= Not detectable above laboratory method detection limit

NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives).

NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51.

**Table A-3**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected August 6, 2021**

Sample Location	Stockpile North	Stockpile North Center	Stockpile Center	Stockpile South Center	Stockpile Southwest	Stockpile South	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS01	UT5544 CS02	UT5544 CS03	UT5544 CS04	UT5544 CS05	UT5544 CS06			
<b>Semi-VOC (ppm)</b>									
Acenaphthene	0.023	0.17	0.2	0.24	0.17	0.14	20	500	1,000
Fluoranthene	0.3	3.3	2.7	2.1	1.4	4.2	100	500	1,000
Naphthalene	0.041	0.35	0.28	0.18	0.28	0.16	100	500	1,000
Benzo(a)anthracene	0.17	<b>1.2</b>	<b>1.6</b>	<b>1.2</b>	0.77	<b>2.6</b>	1	5.6	11
Benzo(a)pyrene	0.17	0.73	<b>1.2</b>	0.97	0.66	<b>2.0</b>	1	1	1.1
Benzo(b)fluoranthene	0.23	0.88	<b>1.5</b>	<b>1.2</b>	0.8	<b>2.2</b>	1	5.6	11
Benzo(k)fluoranthene	0.076	0.42	0.53	0.31	0.28	<b>0.95</b>	0.8	56	110
Chrysene	0.18	1.0	<b>1.4</b>	<b>1.1</b>	0.7	<b>2.2</b>	1	56	110
Acenaphthylene	0.059	0.21	0.23	0.11	0.061	0.44	500	1,000	98
Anthracene	0.066	1.9	0.67	0.58	0.350	1.3	100	500	1,000
Benzo(ghi)perylene	0.13	0.38	0.73	0.7	0.44	1.1	100	500	1,000
Fluorene	0.026	0.7	0.21	0.24	0.17	0.29	30	500	1,000
Phenanthrene	0.17	4.6	2.3	2.0	1.3	2.0	100	500	1,000
Dibenzo(a,h)anthracene	0.034	0.14	0.22	0.22	0.14	<b>0.37</b>	0.33	0.56	1.1
Indeno(1,2,3-cd)pyrene	0.13	0.44	<b>0.79</b>	<b>0.67</b>	0.46	<b>1.2</b>	0.5	5.6	11
Pyrene	0.3	2.4	2.5	2.0	1.2	4.0	100	500	1,000
Dibenzofuran	0.021	0.31	0.15	0.17	0.15	0.16	6.2	---	---
2-Methylnaphthalene	0.039	0.11	0.13	0.13	0.14	0.1	0.41	---	---
2,4-Dimethylphenol	ND	ND	ND	ND	0.097	ND	---	---	---
2-Methylphenol	ND	ND	ND	ND	0.083	ND	0.33	---	---
3-Methylphenol/4-Methylphenol	ND	0.035	0.032	ND	0.24	ND	0.33	---	---
Carbazole	0.023	0.7	0.23	0.2	0.2	0.083	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	---	---	---
<b>PCB (ppm)</b>									
Total PCB	0.0424	<b>0.197</b>	<b>0.447</b>	<b>0.291</b>	<b>0.345</b>	<b>0.630</b>	0.1	1	25
<b>Cyanide (ppm)</b>									
Cyanide	ND	ND	ND	ND	ND	ND	27	27	10,000
<b>Pesticides (ppm)</b>									
Heptachlor epoxide	ND	ND	0.00336	0.00236	0.00443	0.00648	0.02	15	29
Endrin ketone	0.00678	ND	ND	ND	ND	ND	---	---	---
4,4'-DDE	0.00239	ND	ND	ND	ND	ND	0.0033	62	120

**Table A-3 (Continued)**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected August 6, 2021**

Sample Location	Stockpile North	Stockpile North Center	Stockpile Center	Stockpile South Center	Stockpile Southwest	Stockpile South	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS01	UT5544 CS02	UT5544 CS03	UT5544 CS04	UT5544 CS05	UT5544 CS06			
<b>Pesticides (ppm)</b>									
4,4'-DDT	0.00304	ND	ND	ND	ND	ND	0.0033	47	94
cis-Chlordane	0.00132	ND	ND	ND	ND	ND	---	---	---
trans-Chlordane	ND	ND	0.00469	0.00256	0.00934	0.00847	---	---	---
Chlordane	ND	ND	<b>0.123</b>	0.0621	0.0544	<b>0.195</b>	0.094	24	47
All Other Target Compounds	ND	ND	ND	ND	ND	ND	---	---	---
<b>TAL Metals (ppm)</b>									
Aluminum	<b>10,600</b>	<b>15,500</b>	<b>14,300</b>	9,920	8,620	<b>13,900</b>	10,000	---	---
Arsenic	4.67	7.95	11.5	8.94	7.93	10.9	13	16	16
Barium	68.6	120	<b>487</b>	<b>575</b>	164	198	350	400	10,000
Cadmium	0.96	1.32	<b>4.85</b>	<b>3.67</b>	2.24	<b>2.56</b>	2.5	9.3	60
Calcium	<b>64,900</b>	<b>11,100</b>	4,030	9,650	4,240	<b>30,200</b>	10,000	---	---
Chromium	14.5	21.7	29.1	21.6	26.3	21.2	30	1,500	6,800
Cobalt	7.11	13.4	10.9	10.4	10.2	9.78	20	---	---
Copper	<b>302</b>	<b>718</b>	29.7	<b>51.2</b>	19.9	<b>3,110</b>	50	270	10,000
Iron	<b>18,400</b>	<b>28,800</b>	<b>21,500</b>	<b>19,500</b>	<b>17,200</b>	<b>27,700</b>	2,000	---	---
Lead	<b>220</b>	<b>385</b>	19.2	<b>129</b>	29.3	<b>2,810</b>	63	1,000	3,900
Magnesium	5,110	5,200	5,140	4,460	4,590	4,600	---	---	---
Manganese	539	536	463	300	325	686	1,600	10,000	10,000
Mercury	0.05	0.08	<b>0.53</b>	<b>0.42</b>	<b>0.35</b>	<b>0.31</b>	0.18	2.8	5.7
Nickel	17.6	<b>33.1</b>	<b>37.5</b>	<b>31.3</b>	<b>30.7</b>	<b>30.8</b>	30	310	10,000
Potassium	2,020	2,880	2,540	2,300	2,480	2,580	---	---	---
Sodium	212	334	220	152	134	157	---	---	---



**Table A-3 (Continued)**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected August 6, 2021**

Sample Location	Stockpile North	Stockpile North Center	Stockpile Center	Stockpile South Center	Stockpile Southwest	Stockpile South	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS01	UT5544 CS02	UT5544 CS03	UT5544 CS04	UT5544 CS05	UT5544 CS06			
<b>TAL Metals (ppm)</b>									
Silver	ND	ND	0.59	ND	0.41	ND	2	1,500	6,800
Vanadium	23.5	31.7	35.1	28.9	30.0	35.4	39	---	---
Zinc	<b>269</b>	<b>549</b>	69.9	<b>229</b>	64.7	<b>2,120</b>	109	10,000	10,000
All Other Target Metals	ND	ND	ND	ND	ND	ND	---	---	---
<b>Other</b>									
pH	7.2	10.3	9.1	9.3	9.4	9.2	---	---	---
<p><i>NOTES:</i>            Each sample collected as composite comprised of 4 grab samples of a designated section of the soil stockpile.            Samples collected by representatives of Atlantic Testing Laboratories, Limited on August 6, 2021, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).            Copies of the laboratory report and sample custody documentation are contained in Appendix B.            Semi-VOC= semi-volatile organic compounds            PCB= polychlorinated biphenyls            TAL Metals= Target Analyte List Metals            ppm = parts per million, or mg/kg.            ND = Not detected above laboratory method detection limit            NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives). NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51            Values in bold exceed the NYSDEC Unrestricted Use Soil Cleanup Levels.</p>									

**Table A-4  
Summary of Laboratory Analysis Results- VOC  
Soil Samples Collected September 22, 2021**

Sample Location	South Stockpile Area South	South Stockpile Area Center	South Stockpile Area North	Stockpile West	North Stockpile Area Southwest	North Stockpile Area Southeast	North Stockpile Area Northwest	North Stockpile Area Northeast	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544GS07	UT5544GS08	UT5544GS09	UT5544GS10	UT5544GS11	UT5544GS12	UT5544GS13	UT5544GS14			
<b>VOC(ppm)</b>											
Acetone	ND	ND	ND	ND	ND	0.044	ND	ND	0.05	500	1,000
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---

**NOTES:**  
 Samples collected as grab samples from selected locations of soil stockpiles.  
 Samples collected by representatives of Atlantic Testing Laboratories, Limited on September 22, 2021, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).  
 Copies of the laboratory report and sample custody documentation are contained in Appendix B.  
 ppm= parts per millions  
 VOC= volatile organic compounds  
 ND= Not detectable above laboratory method detection limit  
 NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives).  
 NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51.

**Table A-5**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected September 22, 2021**

Sample Location	South Stockpile Area South	South Stockpile Area Center	South Stockpile Area North	Stockpile West	North Stockpile Area Southwest	North Stockpile Area Southeast	North Stockpile Area Northwest	North Stockpile Area Northeast	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS07	UT5544 CS08	UT5544 CS09	UT5544 CS10	UT5544 CS11	UT5544 CS12	UT5544 CS13	UT5544 CS14			
<b>Semi-VOC (ppm)</b>											
Acenaphthene	0.022	0.059	0.15	ND	ND	0.12	0.04	0.053	20	500	1,000
Fluoranthene	1.1	0.81	1.3	0.052	0.76	6.0	0.58	0.71	100	500	1,000
Naphthalene	0.033	ND	0.23	ND	ND	0.053	ND	0.053	100	500	1,000
Benzo(a)anthracene	0.47	0.36	0.58	0.038	0.37	0.3	0.32	0.4	1	5.6	11
Benzo(a)pyrene	0.26	0.34	0.5	ND	0.43	0.29	0.31	0.34	1	1	1.1
Benzo(b)fluoranthene	0.47	0.44	0.66	0.048	0.49	0.39	0.42	0.49	1	5.6	11
Benzo(k)fluoranthene	0.16	0.15	0.25	ND	0.18	0.13	0.15	0.13	0.8	56	110
Chrysene	0.47	0.37	0.55	0.033	0.37	0.32	0.31	0.37	1	56	110
Acenaphthylene	ND	ND	ND	ND	0.073	0.035	ND	ND	500	1,000	98
Anthracene	0.096	0.13	0.22	ND	0.087	0.087	0.091	0.11	100	500	1,000
Benzo(ghi)perylene	0.13	0.2	0.27	0.034	0.29	0.18	0.18	0.22	100	500	1,000
Fluorene	0.023	0.052	0.14	ND	0.039	0.1	0.04	0.045	30	500	1,000
Phenanthrene	0.27	0.62	1.2	ND	0.3	0.41	0.34	0.44	100	500	1,000
Dibenzo(a,h)anthracene	0.042	0.047	0.074	ND	0.064	0.042	0.044	0.052	0.33	0.56	1.1
Indeno(1,2,3-cd)pyrene	0.14	0.21	0.31	ND	0.31	0.18	0.2	0.25	0.5	5.6	11
Pyrene	1.0	0.7	1.0	0.047	0.64	0.5	0.49	0.62	100	500	1,000
Dibenzofuran	0.02	0.038	0.14	ND	ND	0.086	0.02	0.031	6.2	---	---
2-Methylnaphthalene	ND	ND	0.079	ND	ND	0.088	ND	ND	0.41	---	---
Benzoic Acid	0.4	ND	ND	ND	ND	ND	ND	ND	---	---	---
Carbazole	0.038	0.069	0.16	ND	0.032	0.043	0.048	0.061	---	---	---
Butyl benzyl phthalate	ND	ND	ND	ND	0.15	ND	ND	ND	100	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
<b>PCB (ppm)</b>											
Total PCB	ND	0.00924	ND	0.0104	0.0117	0.0116	ND	0.00853	0.1	1	25
<b>Cyanide (ppm)</b>											
Cyanide	ND	ND	ND	ND	ND	ND	ND	ND	27	27	10,000

**Table A-5 (Continued)**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected September 22, 2021**

Sample Location	South Stockpile Area South	South Stockpile Area Center	South Stockpile Area North	Stockpile West	North Stockpile Area Southwest	North Stockpile Area Southeast	North Stockpile Area Northwest	North Stockpile Area Northeast	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS07	UT5544 CS08	UT5544 CS09	UT5544 CS10	UT5544 CS11	UT5544 CS12	UT5544 CS13	UT5544 CS14			
<b>Pesticides (ppm)</b>											
4,4'-DDE	ND	0.0017	ND	ND	0.00324	ND	ND	ND	0.0033	62	120
4,4'-DDD	ND	ND	ND	ND	0.0016	ND	ND	ND	0.0033	92	180
4,4'-DDT	0.00174	<b>0.00523</b>	0.00184	0.00219	<b>0.00669</b>	0.00289	0.00229	<b>0.00439</b>	0.0033	47	94
cis-Chlordane	ND	ND	ND	ND	0.00172	ND	ND	ND	---	---	---
trans-Chlordane	ND	ND	ND	ND	0.00102	ND	ND	ND	---	---	---
All Other Target Compounds	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
<b>TAL Metals (ppm)</b>											
Aluminum	5,240	6,400	5,740	9,080	5,440	3,320	3,390	5,100	10,000	---	---
Antimony	0.542	0.874	0.504	0.6	ND	0.569	1.24	1.0	12	---	---
Arsenic	4.36	5.11	4.11	5.64	4.34	5.65	10.8	8.39	13	16	16
Barium	43.1	46.8	37.8	71.0	49.5	66.0	119	87.3	350	400	10,000
Beryllium	0.3	0.369	0.327	0.623	0.323	0.229	0.217	0.299	7.2	590	2,700
Cadmium	ND	ND	0.224	ND	ND	ND	ND	ND	2.5	9.3	60
Calcium	<b>13,500</b>	<b>13,400</b>	<b>17,600</b>	<b>4,250</b>	<b>43,200</b>	<b>162,000</b>	<b>122,000</b>	<b>76,500</b>	10,000	---	---
Chromium	9.55	10.2	10.2	14.5	9.89	8.69	8.58	10.2	30	1,500	6,800
Cobalt	5.74	6.61	5.56	8.48	5.3	3.37	5.01	4.85	20	---	---
Copper	<b>63.0</b>	<b>91.2</b>	<b>368</b>	<b>50.9</b>	28.9	49.1	<b>85.9</b>	<b>124</b>	50	270	10,000
Iron	<b>16,200</b>	<b>20,000</b>	<b>16,200</b>	<b>23,800</b>	<b>14,300</b>	<b>10,800</b>	<b>20,700</b>	<b>15,800</b>	2,000	---	---
Lead	40.3	<b>70.8</b>	59.1	46.0	48.0	<b>212</b>	<b>360</b>	<b>202</b>	63	1,000	3,900
Magnesium	4,760	5,480	4,380	2,820	6,020	5,190	2,660	4,250	---	---	---
Manganese	453	590	298	550	414	282	324	395	1,600	10,000	10,000
Mercury	0.065	ND	0.085	0.146	0.101	<b>0.648</b>	<b>7.42</b>	0.303	0.18	2.8	5.7
Nickel	12.6	14.6	13.7	16.0	11.9	7.82	10.4	11.1	30	310	10,000



**Table A-5 (Continued)**  
**Summary of Laboratory Analysis Results- Semi-VOC, PCB, Cyanide, Pesticides, Metals, and pH**  
**Soil Samples Collected September 22, 2021**

Sample Location	South Stockpile Area South	South Stockpile Area Center	South Stockpile Area North	Stockpile West	North Stockpile Area Southwest	North Stockpile Area Southeast	North Stockpile Area Northwest	North Stockpile Area Northeast	6NYCRR Part 375/NYSDEC CP-51 Unrestricted Use Soil Cleanup Levels	6NYCRR Part 375/NYSDEC CP-51 Commercial Soil Cleanup Level	6NYCRR Part 375/NYSDEC CP-51 Industrial Soil Cleanup Level
Sample ID	UT5544 CS07	UT5544 CS08	UT5544 CS09	UT5544 CS10	UT5544 CS11	UT5544 CS12	UT5544 CS13	UT5544 CS14			
<b>TAL Metals (ppm)</b>											
Potassium	360	501	423	635	636	383	394	528	---	---	---
Selenium	0.755	0.811	0.757	1.51	0.535	0.698	1.05	1.13	3.9	1,500	6,800
Sodium	387	117	100	202	144	192	604	301	---	---	---
Vanadium	<b>12.7</b>	<b>16.8</b>	<b>13.3</b>	<b>20.3</b>	<b>13.5</b>	<b>13.4</b>	<b>12.2</b>	<b>16.2</b>	5	---	---
Zinc	73.9	76.5	<b>125</b>	<b>119</b>	<b>137</b>	101	<b>193</b>	<b>148</b>	109	---	---
All Other Target Metals	ND	ND	ND	ND	ND	ND	ND	ND	---	---	---
<b>Other</b>											
pH	8.3	7.8	8.1	7.4	8.0	8.0	7.9	8.4	---	----	---

**NOTES:**

Each sample collected as composite comprised of 4 grab samples of a designated section of the soil stockpile.  
Samples collected by representatives of Atlantic Testing Laboratories, Limited on September 22, 2021, and analyzed by Alpha Analytical, Inc. (NYSDOH ELAP No. 11148).  
Copies of the laboratory report and sample custody documentation are contained in Appendix B.  
Semi-VOC= semi-volatile organic compounds  
PCB= polychlorinated biphenyls  
TAL Metals= Target Analyte List Metals  
ppm = parts per million, or mg/kg.  
ND = Not detected above laboratory method detection limit  
NYSDEC Unrestricted Use Soil Cleanup Levels were obtained from 6 NYCRR Part 375 (Unrestricted Use Soil Cleanup Objectives) or the NYSDEC Final Commissioner Policy, CP-51, dated October 21, 2010 (most restrictive of available standards for Supplemental Soil Cleanup Objectives). NYSDEC Commercial Soil Cleanup Levels and Industrial Soil Cleanup Levels were obtained from the corresponding standards listed in 6 NYCRR Part 375 or NYSDEC CP-51  
Values in bold exceed the NYSDEC Unrestricted Use Soil Cleanup Levels.

**Appendix B**

**LABORATORY REPORT AND ASSOCIATED SAMPLE CUSTODY DOCUMENTATION**



## ANALYTICAL REPORT

Lab Number: L2142363

Client: Atlantic Testing Laboratories, Limited  
301 St. Anthony Street  
Utica, NY 13501

ATTN: Matt Clum

Phone: (315) 735-3309

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Report Date: 08/13/21

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2142363-01	STOCKPILE NORTH	SOIL	ROME, NY	08/06/21 09:00	08/06/21
L2142363-02	STOCKPILE NORTH CENTER	SOIL	ROME, NY	08/06/21 09:00	08/06/21
L2142363-03	STOCKPILE CENTER	SOIL	ROME, NY	08/06/21 09:00	08/06/21
L2142363-04	STOCKPILE SOUTH CENTER	SOIL	ROME, NY	08/06/21 09:00	08/06/21
L2142363-05	STOCKPILE SOUTH WEST	SOIL	ROME, NY	08/06/21 09:00	08/06/21
L2142363-06	STOCKPILE SOUTH	SOIL	ROME, NY	08/06/21 09:00	08/06/21

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analysis of Total Metals was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

#### Cyanide, Total

The WG1533051-2/-3 LCS/LCSD recovery for cyanide, total (73%/78%), associated with L2142363-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyse is reported.

The WG1533052-2/-3 LCS/LCSD recovery for cyanide, total (73%/78%), associated with L2142363-04 through -06, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyse is reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Sebastian Corbin

Title: Technical Director/Representative

Date: 08/13/21

# ORGANICS

DRAFT

**VOLATILES**

DRAFT



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 08/10/21 15:41  
**Analyst:** MKS  
**Percent Solids:** 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.66	0.18	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	7.2	J	ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Cyclohexane	ND		ug/kg	13	0.71	1
1,4-Dioxane	ND		ug/kg	100	46.	1
Freon-113	ND		ug/kg	5.2	0.91	1
Methyl cyclohexane	ND		ug/kg	5.2	0.79	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-01  
 Client ID: STOCKPILE NORTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	105		70-130

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Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 08/10/21 13:23  
 Analyst: MKS  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.25	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	10	J	ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.67	1
1,4-Dioxane	ND		ug/kg	98	43.	1
Freon-113	ND		ug/kg	4.9	0.85	1
Methyl cyclohexane	ND		ug/kg	4.9	0.74	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-03  
 Client ID: STOCKPILE CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 08/10/21 13:51  
 Analyst: MKS  
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-03  
**Client ID:** STOCKPILE CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	26		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	1.1	J	ug/kg	4.5	0.73	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	0.31	J	ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	90	39.	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1



**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-03  
 Client ID: STOCKPILE CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

DRAFT

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 08/10/21 14:18  
 Analyst: MKS  
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.58	0.16	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	21		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.33	J	ug/kg	1.2	0.13	1
Naphthalene	5.4		ug/kg	4.6	0.75	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	12	0.63	1
1,4-Dioxane	ND		ug/kg	92	41.	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.70	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	107		70-130

DRAFT



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 08/10/21 14:45  
 Analyst: MKS  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.54	0.15	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Cyclohexane	ND		ug/kg	11	0.59	1
1,4-Dioxane	ND		ug/kg	86	38.	1
Freon-113	ND		ug/kg	4.3	0.75	1
Methyl cyclohexane	ND		ug/kg	4.3	0.65	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-06  
 Client ID: STOCKPILE SOUTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 08/10/21 15:13  
 Analyst: MKS  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.25	1
p/m-Xylene	ND		ug/kg	2.4	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	6.1	J	ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.67	1
1,4-Dioxane	ND		ug/kg	98	43.	1
Freon-113	ND		ug/kg	4.9	0.85	1
Methyl cyclohexane	ND		ug/kg	4.9	0.74	1



**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-06  
 Client ID: STOCKPILE SOUTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	106		70-130

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 08/10/21 07:07  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1533357-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 08/10/21 07:07  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1533357-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 08/10/21 07:07  
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1533357-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	102		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1533357-3 WG1533357-4								
Methylene chloride	109		98		70-130	11		30
1,1-Dichloroethane	114		100		70-130	13		30
Chloroform	103		92		70-130	11		30
Carbon tetrachloride	112		96		70-130	15		30
1,2-Dichloropropane	113		101		70-130	11		30
Dibromochloromethane	118		107		70-130	10		30
1,1,2-Trichloroethane	118		107		70-130	10		30
Tetrachloroethene	114		100		70-130	13		30
Chlorobenzene	111		98		70-130	12		30
Trichlorofluoromethane	139		118		70-139	16		30
1,2-Dichloroethane	111		100		70-130	10		30
1,1,1-Trichloroethane	113		96		70-130	16		30
Bromodichloromethane	113		101		70-130	11		30
trans-1,3-Dichloropropene	118		107		70-130	10		30
cis-1,3-Dichloropropene	114		102		70-130	11		30
Bromoform	111		102		70-130	8		30
1,1,2,2-Tetrachloroethane	121		112		70-130	8		30
Benzene	110		96		70-130	14		30
Toluene	110		96		70-130	14		30
Ethylbenzene	112		98		70-130	13		30
Chloromethane	128		111		52-130	14		30
Bromomethane	139		120		57-147	15		30
Vinyl chloride	142	Q	119		67-130	18		30



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1533357-3 WG1533357-4								
Chloroethane	132		114		50-151	15		30
1,1-Dichloroethene	116		99		65-135	16		30
trans-1,2-Dichloroethene	112		96		70-130	15		30
Trichloroethene	111		96		70-130	14		30
1,2-Dichlorobenzene	109		99		70-130	10		30
1,3-Dichlorobenzene	109		98		70-130	11		30
1,4-Dichlorobenzene	109		99		70-130	10		30
Methyl tert butyl ether	111		101		66-130	9		30
p/m-Xylene	113		99		70-130	13		30
o-Xylene	113		99		70-130	13		30
cis-1,2-Dichloroethene	112		99		70-130	12		30
Styrene	115		101		70-130	13		30
Dichlorodifluoromethane	<b>178</b>	Q	<b>151</b>	Q	30-146	16		30
Acetone	118		106		54-140	11		30
Carbon disulfide	113		96		59-130	16		30
2-Butanone	117		106		70-130	10		30
4-Methyl-2-pentanone	104		98		70-130	6		30
2-Hexanone	118		106		70-130	11		30
Bromochloromethane	108		98		70-130	10		30
1,2-Dibromoethane	118		108		70-130	9		30
n-Butylbenzene	114		99		70-130	14		30
sec-Butylbenzene	113		97		70-130	15		30
tert-Butylbenzene	112		98		70-130	13		30

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1533357-3 WG1533357-4								
1,2-Dibromo-3-chloropropane	107		101		68-130	6		30
Isopropylbenzene	113		99		70-130	13		30
p-Isopropyltoluene	111		97		70-130	13		30
Naphthalene	110		100		70-130	10		30
n-Propylbenzene	112		97		70-130	14		30
1,2,3-Trichlorobenzene	110		99		70-130	11		30
1,2,4-Trichlorobenzene	112		100		70-130	11		30
1,3,5-Trimethylbenzene	110		97		70-130	13		30
1,2,4-Trimethylbenzene	110		98		70-130	12		30
Methyl Acetate	117		108		51-146	8		30
Cyclohexane	117		100		59-142	16		30
1,4-Dioxane	104		98		65-136	6		30
Freon-113	122		101		50-139	19		30
Methyl cyclohexane	114		96		70-130	17		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	100		100		70-130

# SEMIVOLATILES

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 08/12/21 22:38  
**Analyst:** CMM  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	23	J	ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	26.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	45.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	300		ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	33.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	41	J	ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-01  
 Client ID: STOCKPILE NORTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	170		ug/kg	130	25.	1
Benzo(a)pyrene	170	J	ug/kg	180	54.	1
Benzo(b)fluoranthene	230		ug/kg	130	38.	1
Benzo(k)fluoranthene	76	J	ug/kg	130	36.	1
Chrysene	180		ug/kg	130	23.	1
Acenaphthylene	59	J	ug/kg	180	34.	1
Anthracene	66	J	ug/kg	130	44.	1
Benzo(ghi)perylene	130	J	ug/kg	180	26.	1
Fluorene	26	J	ug/kg	220	22.	1
Phenanthrene	170		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	180	31.	1
Pyrene	300		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	41.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	21	J	ug/kg	220	21.	1
2-Methylnaphthalene	39	J	ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	74.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	35.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	220	43.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	23	J	ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	50		18-120

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 08/12/21 08:54  
 Analyst: JG  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	170		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	3300		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	350		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	1200		ug/kg	130	24.	1
Benzo(a)pyrene	730		ug/kg	170	52.	1
Benzo(b)fluoranthene	880		ug/kg	130	36.	1
Benzo(k)fluoranthene	420		ug/kg	130	34.	1
Chrysene	1000		ug/kg	130	22.	1
Acenaphthylene	210		ug/kg	170	33.	1
Anthracene	1900		ug/kg	130	41.	1
Benzo(ghi)perylene	380		ug/kg	170	25.	1
Fluorene	700		ug/kg	210	20.	1
Phenanthrene	4600		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	140		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	440		ug/kg	170	29.	1
Pyrene	2400		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	310		ug/kg	210	20.	1
2-Methylnaphthalene	110	J	ug/kg	250	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	35	J	ug/kg	300	33.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	700		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	32	9.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	71		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-03  
**Client ID:** STOCKPILE CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 08/12/21 11:05  
**Analyst:** JG  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	200		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	2700		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	280		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-03  
 Client ID: STOCKPILE CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	1600		ug/kg	120	23.	1
Benzo(a)pyrene	1200		ug/kg	160	49.	1
Benzo(b)fluoranthene	1500		ug/kg	120	34.	1
Benzo(k)fluoranthene	530		ug/kg	120	32.	1
Chrysene	1400		ug/kg	120	21.	1
Acenaphthylene	230		ug/kg	160	31.	1
Anthracene	670		ug/kg	120	40.	1
Benzo(ghi)perylene	730		ug/kg	160	24.	1
Fluorene	210		ug/kg	200	20.	1
Phenanthrene	2300		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	220		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	790		ug/kg	160	28.	1
Pyrene	2500		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	47.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	150	J	ug/kg	200	19.	1
2-Methylnaphthalene	130	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	32	J	ug/kg	290	32.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-03  
 Client ID: STOCKPILE CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	230		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	73		18-120

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 08/12/21 10:43  
 Analyst: JG  
 Percent Solids: 83%

Extraction Method: EPA 3546  
 Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	240		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	2100		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	180	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	1200		ug/kg	120	22.	1
Benzo(a)pyrene	970		ug/kg	160	48.	1
Benzo(b)fluoranthene	1200		ug/kg	120	34.	1
Benzo(k)fluoranthene	310		ug/kg	120	32.	1
Chrysene	1100		ug/kg	120	21.	1
Acenaphthylene	110	J	ug/kg	160	31.	1
Anthracene	580		ug/kg	120	39.	1
Benzo(ghi)perylene	700		ug/kg	160	23.	1
Fluorene	240		ug/kg	200	19.	1
Phenanthrene	2000		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	220		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	670		ug/kg	160	28.	1
Pyrene	2000		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	170	J	ug/kg	200	19.	1
2-Methylnaphthalene	130	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	200		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	66		18-120



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-05  
**Client ID:** STOCKPILE SOUTH WEST  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 08/12/21 09:59  
**Analyst:** JG  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	170		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	53.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1400		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	570	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	280		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	69.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2142363

Project Number: UT5544

Report Date: 08/13/21

## SAMPLE RESULTS

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	770		ug/kg	120	22.	1
Benzo(a)pyrene	660		ug/kg	160	49.	1
Benzo(b)fluoranthene	800		ug/kg	120	34.	1
Benzo(k)fluoranthene	280		ug/kg	120	32.	1
Chrysene	700		ug/kg	120	21.	1
Acenaphthylene	61	J	ug/kg	160	31.	1
Anthracene	350		ug/kg	120	39.	1
Benzo(ghi)perylene	440		ug/kg	160	24.	1
Fluorene	170	J	ug/kg	200	19.	1
Phenanthrene	1300		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	140		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	460		ug/kg	160	28.	1
Pyrene	1200		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	150	J	ug/kg	200	19.	1
2-Methylnaphthalene	140	J	ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	97	J	ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	83	J	ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	240	J	ug/kg	290	31.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	200		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	75		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 08/12/21 10:21  
**Analyst:** JG  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	140	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	4200		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	160	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	2600		ug/kg	120	23.	1
Benzo(a)pyrene	2000		ug/kg	170	51.	1
Benzo(b)fluoranthene	2200		ug/kg	120	35.	1
Benzo(k)fluoranthene	950		ug/kg	120	33.	1
Chrysene	2200		ug/kg	120	22.	1
Acenaphthylene	440		ug/kg	170	32.	1
Anthracene	1300		ug/kg	120	40.	1
Benzo(ghi)perylene	1100		ug/kg	170	24.	1
Fluorene	290		ug/kg	210	20.	1
Phenanthrene	2000		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	370		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	1200		ug/kg	170	29.	1
Pyrene	4000		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	160	J	ug/kg	210	20.	1
2-Methylnaphthalene	100	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-06  
 Client ID: STOCKPILE SOUTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	83	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	73		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 08/12/21 04:36  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1533653-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 08/12/21 04:36  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1533653-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 08/12/21 04:36  
Analyst: IM

Extraction Method: EPA 3546  
Extraction Date: 08/10/21 23:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatiles Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1533653-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	78		18-120

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1533653-2 WG1533653-3								
Acenaphthene	77		76		31-137	1		50
1,2,4-Trichlorobenzene	75		75		38-107	0		50
Hexachlorobenzene	80		79		40-140	1		50
Bis(2-chloroethyl)ether	73		72		40-140	1		50
2-Chloronaphthalene	77		77		40-140	0		50
1,2-Dichlorobenzene	69		68		40-140	1		50
1,3-Dichlorobenzene	67		67		40-140	0		50
1,4-Dichlorobenzene	67		67		28-104	0		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	82		81		40-132	1		50
2,6-Dinitrotoluene	81		81		40-140	0		50
Fluoranthene	80		78		40-140	3		50
4-Chlorophenyl phenyl ether	81		79		40-140	3		50
4-Bromophenyl phenyl ether	82		81		40-140	1		50
Bis(2-chloroisopropyl)ether	70		70		40-140	0		50
Bis(2-chloroethoxy)methane	78		78		40-117	0		50
Hexachlorobutadiene	70		70		40-140	0		50
Hexachlorocyclopentadiene	77		76		40-140	1		50
Hexachloroethane	69		69		40-140	0		50
Isophorone	78		79		40-140	1		50
Naphthalene	72		72		40-140	0		50
Nitrobenzene	74		74		40-140	0		50
NDPA/DPA	80		79		36-157	1		50



## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1533653-2 WG1533653-3								
n-Nitrosodi-n-propylamine	77		78		32-121	1		50
Bis(2-ethylhexyl)phthalate	82		81		40-140	1		50
Butyl benzyl phthalate	81		80		40-140	1		50
Di-n-butylphthalate	82		82		40-140	0		50
Di-n-octylphthalate	82		81		40-140	1		50
Diethyl phthalate	80		78		40-140	3		50
Dimethyl phthalate	82		81		40-140	1		50
Benzo(a)anthracene	75		75		40-140	0		50
Benzo(a)pyrene	78		78		40-140	0		50
Benzo(b)fluoranthene	78		75		40-140	4		50
Benzo(k)fluoranthene	76		80		40-140	5		50
Chrysene	75		74		40-140	1		50
Acenaphthylene	79		80		40-140	1		50
Anthracene	78		77		40-140	1		50
Benzo(ghi)perylene	78		77		40-140	1		50
Fluorene	79		78		40-140	1		50
Phenanthrene	77		76		40-140	1		50
Dibenzo(a,h)anthracene	79		78		40-140	1		50
Indeno(1,2,3-cd)pyrene	80		79		40-140	1		50
Pyrene	78		76		35-142	3		50
Biphenyl	79		79		37-127	0		50
4-Chloroaniline	69		68		40-140	1		50
2-Nitroaniline	82		81		47-134	1		50

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1533653-2 WG1533653-3								
3-Nitroaniline	70		66		26-129	6		50
4-Nitroaniline	82		81		41-125	1		50
Dibenzofuran	77		76		40-140	1		50
2-Methylnaphthalene	75		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	78		78		40-117	0		50
Acetophenone	78		80		14-144	3		50
2,4,6-Trichlorophenol	83		82		30-130	1		50
p-Chloro-m-cresol	81		81		26-103	0		50
2-Chlorophenol	79		78		25-102	1		50
2,4-Dichlorophenol	85		84		30-130	1		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	80		79		30-130	1		50
4-Nitrophenol	84		82		11-114	2		50
2,4-Dinitrophenol	75		74		4-130	1		50
4,6-Dinitro-o-cresol	82		80		10-130	2		50
Pentachlorophenol	84		83		17-109	1		50
Phenol	80		80		26-90	0		50
2-Methylphenol	80		80		30-130.	0		50
3-Methylphenol/4-Methylphenol	89		89		30-130	0		50
2,4,5-Trichlorophenol	84		83		30-130	1		50
Benzoic Acid	69		65		10-110	6		50
Benzyl Alcohol	80		81		40-140	1		50
Carbazole	78		76		54-128	3		50

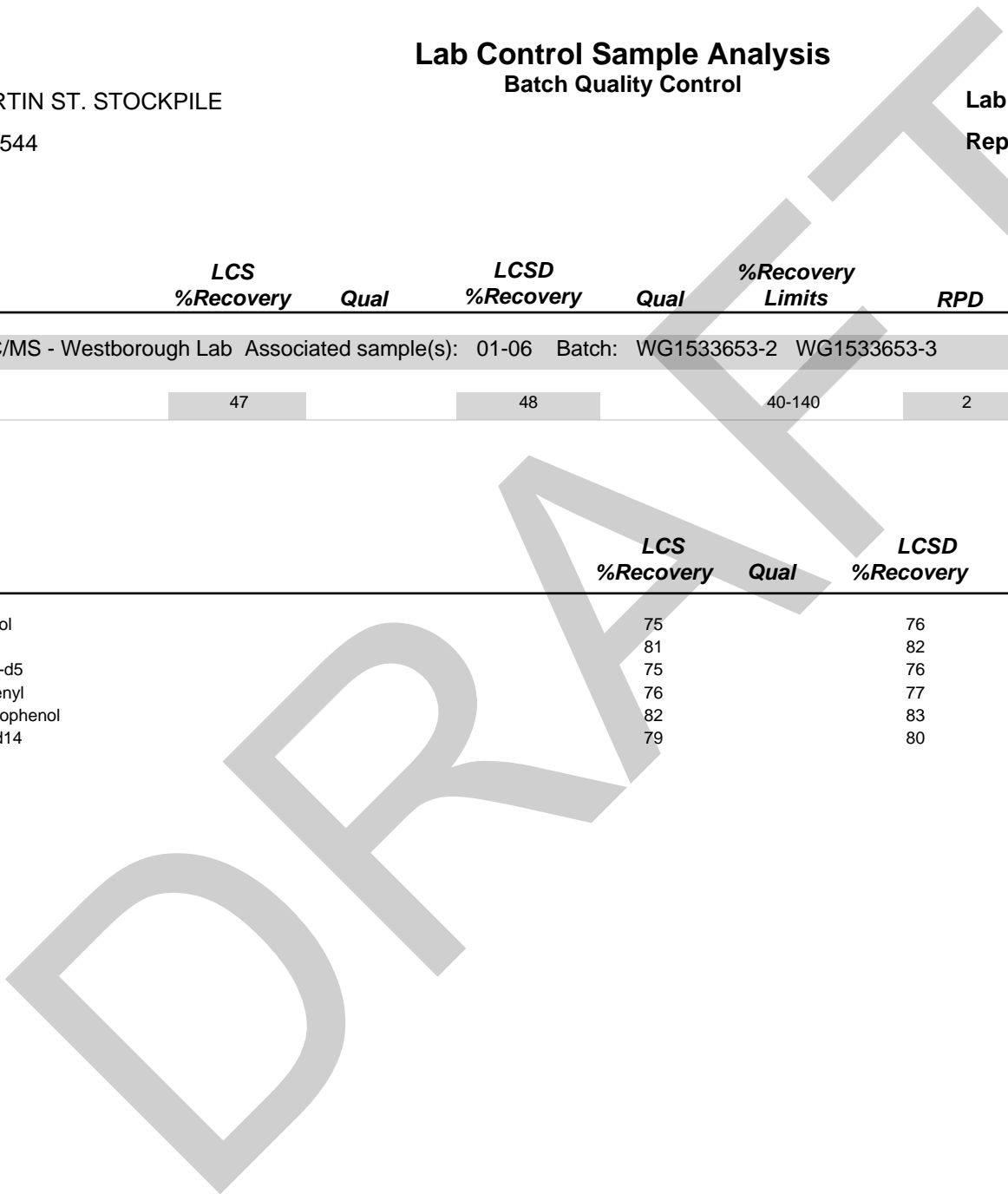
### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1533653-2 WG1533653-3								
1,4-Dioxane	47		48		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		76		25-120
Phenol-d6	81		82		10-120
Nitrobenzene-d5	75		76		23-120
2-Fluorobiphenyl	76		77		30-120
2,4,6-Tribromophenol	82		83		10-136
4-Terphenyl-d14	79		80		18-120



**PCBS**

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:04  
**Analyst:** JAW  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0442	0.00393	1	A
Aroclor 1221	ND		mg/kg	0.0442	0.00443	1	A
Aroclor 1232	ND		mg/kg	0.0442	0.00938	1	A
Aroclor 1242	ND		mg/kg	0.0442	0.00596	1	A
Aroclor 1248	ND		mg/kg	0.0442	0.00663	1	A
Aroclor 1254	ND		mg/kg	0.0442	0.00484	1	A
Aroclor 1260	0.0219	J	mg/kg	0.0442	0.00817	1	A
Aroclor 1262	ND		mg/kg	0.0442	0.00562	1	A
Aroclor 1268	0.0205	J	mg/kg	0.0442	0.00458	1	B
PCBs, Total	0.0424	J	mg/kg	0.0442	0.00393	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	44		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	45		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-02  
**Client ID:** STOCKPILE NORTH CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:11  
**Analyst:** JAW  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0421	0.00374	1	A
Aroclor 1221	ND		mg/kg	0.0421	0.00422	1	A
Aroclor 1232	ND		mg/kg	0.0421	0.00893	1	A
Aroclor 1242	ND		mg/kg	0.0421	0.00568	1	A
Aroclor 1248	ND		mg/kg	0.0421	0.00632	1	A
Aroclor 1254	ND		mg/kg	0.0421	0.00461	1	A
Aroclor 1260	0.104		mg/kg	0.0421	0.00778	1	A
Aroclor 1262	ND		mg/kg	0.0421	0.00535	1	A
Aroclor 1268	0.0932		mg/kg	0.0421	0.00436	1	B
PCBs, Total	0.197		mg/kg	0.0421	0.00374	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	50		30-150	B



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-03  
**Client ID:** STOCKPILE CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:18  
**Analyst:** JAW  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0391	0.00347	1	A
Aroclor 1221	ND		mg/kg	0.0391	0.00391	1	A
Aroclor 1232	ND		mg/kg	0.0391	0.00828	1	A
Aroclor 1242	ND		mg/kg	0.0391	0.00526	1	A
Aroclor 1248	ND		mg/kg	0.0391	0.00586	1	A
Aroclor 1254	ND		mg/kg	0.0391	0.00427	1	A
Aroclor 1260	0.243		mg/kg	0.0391	0.00722	1	A
Aroclor 1262	ND		mg/kg	0.0391	0.00496	1	A
Aroclor 1268	0.204		mg/kg	0.0391	0.00405	1	B
PCBs, Total	0.447		mg/kg	0.0391	0.00347	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	56		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-04  
**Client ID:** STOCKPILE SOUTH CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:25  
**Analyst:** JAW  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0394	0.00350	1	A
Aroclor 1221	ND		mg/kg	0.0394	0.00394	1	A
Aroclor 1232	ND		mg/kg	0.0394	0.00834	1	A
Aroclor 1242	ND		mg/kg	0.0394	0.00531	1	A
Aroclor 1248	ND		mg/kg	0.0394	0.00590	1	A
Aroclor 1254	ND		mg/kg	0.0394	0.00431	1	A
Aroclor 1260	0.157		mg/kg	0.0394	0.00727	1	A
Aroclor 1262	ND		mg/kg	0.0394	0.00500	1	A
Aroclor 1268	0.134		mg/kg	0.0394	0.00408	1	B
PCBs, Total	0.291		mg/kg	0.0394	0.00350	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	54		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-05  
**Client ID:** STOCKPILE SOUTH WEST  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:32  
**Analyst:** JAW  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0403	0.00358	1	A
Aroclor 1221	ND		mg/kg	0.0403	0.00404	1	A
Aroclor 1232	ND		mg/kg	0.0403	0.00855	1	A
Aroclor 1242	ND		mg/kg	0.0403	0.00544	1	A
Aroclor 1248	ND		mg/kg	0.0403	0.00605	1	A
Aroclor 1254	ND		mg/kg	0.0403	0.00441	1	A
Aroclor 1260	0.198		mg/kg	0.0403	0.00745	1	B
Aroclor 1262	ND		mg/kg	0.0403	0.00512	1	A
Aroclor 1268	0.147		mg/kg	0.0403	0.00418	1	B
PCBs, Total	0.345		mg/kg	0.0403	0.00358	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	59		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 08/10/21 10:39  
**Analyst:** JAW  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/09/21 06:25  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 08/09/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0410	0.00364	1	A
Aroclor 1221	ND		mg/kg	0.0410	0.00410	1	A
Aroclor 1232	ND		mg/kg	0.0410	0.00868	1	A
Aroclor 1242	ND		mg/kg	0.0410	0.00552	1	A
Aroclor 1248	ND		mg/kg	0.0410	0.00614	1	A
Aroclor 1254	ND		mg/kg	0.0410	0.00448	1	A
Aroclor 1260	0.334		mg/kg	0.0410	0.00757	1	A
Aroclor 1262	ND		mg/kg	0.0410	0.00520	1	A
Aroclor 1268	0.296		mg/kg	0.0410	0.00424	1	B
PCBs, Total	0.630		mg/kg	0.0410	0.00364	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	48		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 08/10/21 08:34  
Analyst: CW

Extraction Method: EPA 3546  
Extraction Date: 08/09/21 06:25  
Cleanup Method: EPA 3665A  
Cleanup Date: 08/09/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 08/10/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1534746-1						
Aroclor 1016	ND		mg/kg	0.0328	0.00292	A
Aroclor 1221	ND		mg/kg	0.0328	0.00329	A
Aroclor 1232	ND		mg/kg	0.0328	0.00696	A
Aroclor 1242	ND		mg/kg	0.0328	0.00442	A
Aroclor 1248	ND		mg/kg	0.0328	0.00492	A
Aroclor 1254	ND		mg/kg	0.0328	0.00359	A
Aroclor 1260	ND		mg/kg	0.0328	0.00607	A
Aroclor 1262	ND		mg/kg	0.0328	0.00417	A
Aroclor 1268	ND		mg/kg	0.0328	0.00340	A
PCBs, Total	ND		mg/kg	0.0328	0.00292	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	68		30-150	B

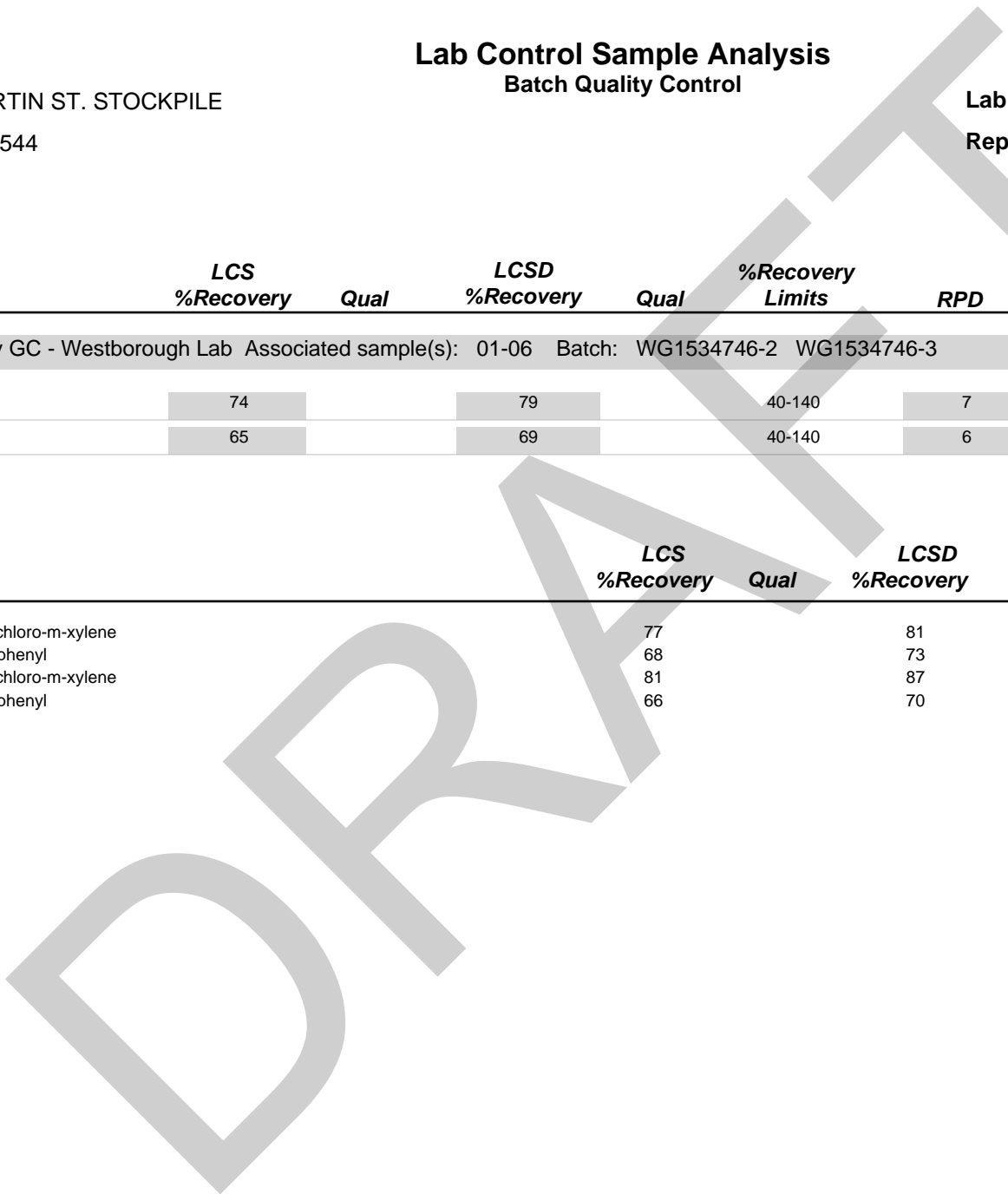
### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1534746-2 WG1534746-3									
Aroclor 1016	74		79		40-140	7		50	A
Aroclor 1260	65		69		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		81		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		87		30-150	B
Decachlorobiphenyl	66		70		30-150	B





**PESTICIDES**

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 08/13/21 09:38  
**Analyst:** SDC  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/12/21 15:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.07	0.406	1	A
Lindane	ND		ug/kg	0.864	0.386	1	A
Alpha-BHC	ND		ug/kg	0.864	0.245	1	A
Beta-BHC	ND		ug/kg	2.07	0.786	1	A
Heptachlor	ND		ug/kg	1.04	0.465	1	A
Aldrin	ND		ug/kg	2.07	0.730	1	A
Heptachlor epoxide	ND		ug/kg	3.89	1.16	1	A
Endrin	ND		ug/kg	0.864	0.354	1	A
Endrin aldehyde	ND		ug/kg	2.59	0.907	1	A
Endrin ketone	6.78	IP	ug/kg	2.07	0.534	1	A
Dieldrin	ND		ug/kg	1.30	0.648	1	A
4,4'-DDE	2.39		ug/kg	2.07	0.479	1	A
4,4'-DDD	ND		ug/kg	2.07	0.739	1	A
4,4'-DDT	3.04	JIP	ug/kg	3.89	1.67	1	A
Endosulfan I	ND		ug/kg	2.07	0.490	1	A
Endosulfan II	ND		ug/kg	2.07	0.693	1	A
Endosulfan sulfate	ND		ug/kg	0.864	0.411	1	A
Methoxychlor	ND		ug/kg	3.89	1.21	1	A
Toxaphene	ND		ug/kg	38.9	10.9	1	A
cis-Chlordane	1.32	J	ug/kg	2.59	0.722	1	B
trans-Chlordane	ND		ug/kg	2.59	0.684	1	A
Chlordane	ND		ug/kg	17.3	6.86	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-01  
 Client ID: STOCKPILE NORTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	95		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 08/13/21 09:49  
 Analyst: SDC  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 08/12/21 15:42  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.96	0.384	1	A
Lindane	ND		ug/kg	0.818	0.365	1	A
Alpha-BHC	ND		ug/kg	0.818	0.232	1	A
Beta-BHC	ND		ug/kg	1.96	0.744	1	A
Heptachlor	ND		ug/kg	0.981	0.440	1	A
Aldrin	ND		ug/kg	1.96	0.691	1	A
Heptachlor epoxide	ND		ug/kg	3.68	1.10	1	A
Endrin	ND		ug/kg	0.818	0.335	1	A
Endrin aldehyde	ND		ug/kg	2.45	0.858	1	A
Endrin ketone	ND		ug/kg	1.96	0.505	1	A
Dieldrin	ND		ug/kg	1.23	0.613	1	A
4,4'-DDE	ND		ug/kg	1.96	0.454	1	A
4,4'-DDD	ND		ug/kg	1.96	0.700	1	A
4,4'-DDT	ND		ug/kg	3.68	1.58	1	A
Endosulfan I	ND		ug/kg	1.96	0.464	1	A
Endosulfan II	ND		ug/kg	1.96	0.656	1	A
Endosulfan sulfate	ND		ug/kg	0.818	0.389	1	A
Methoxychlor	ND		ug/kg	3.68	1.14	1	A
Toxaphene	ND		ug/kg	36.8	10.3	1	A
cis-Chlordane	ND		ug/kg	2.45	0.684	1	A
trans-Chlordane	ND		ug/kg	2.45	0.648	1	A
Chlordane	ND		ug/kg	16.4	6.50	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-02  
 Client ID: STOCKPILE NORTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	101		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-03  
**Client ID:** STOCKPILE CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 08/13/21 09:59  
**Analyst:** SDC  
**Percent Solids:** 80%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/12/21 15:42  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.95	0.381	1	A
Lindane	ND		ug/kg	0.811	0.363	1	A
Alpha-BHC	ND		ug/kg	0.811	0.230	1	A
Beta-BHC	ND		ug/kg	1.95	0.738	1	A
Heptachlor	ND		ug/kg	0.973	0.436	1	A
Aldrin	ND		ug/kg	1.95	0.685	1	A
Heptachlor epoxide	3.36	J	ug/kg	3.65	1.10	1	A
Endrin	ND		ug/kg	0.811	0.332	1	A
Endrin aldehyde	ND		ug/kg	2.43	0.852	1	A
Endrin ketone	ND		ug/kg	1.95	0.501	1	A
Dieldrin	ND		ug/kg	1.22	0.608	1	A
4,4'-DDE	ND		ug/kg	1.95	0.450	1	A
4,4'-DDD	ND		ug/kg	1.95	0.694	1	A
4,4'-DDT	ND		ug/kg	3.65	1.56	1	A
Endosulfan I	ND		ug/kg	1.95	0.460	1	A
Endosulfan II	ND		ug/kg	1.95	0.650	1	A
Endosulfan sulfate	ND		ug/kg	0.811	0.386	1	A
Methoxychlor	ND		ug/kg	3.65	1.14	1	A
Toxaphene	ND		ug/kg	36.5	10.2	1	A
cis-Chlordane	ND		ug/kg	2.43	0.678	1	A
trans-Chlordane	4.69	P	ug/kg	2.43	0.642	1	A
Chlordane	123	P	ug/kg	16.2	6.45	1	A



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-03  
 Client ID: STOCKPILE CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	202	Q	30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-04  
**Client ID:** STOCKPILE SOUTH CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 08/13/21 10:11  
**Analyst:** SDC  
**Percent Solids:** 83%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/12/21 15:48  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.909	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	2.36	JP	ug/kg	3.41	1.02	1	B
Endrin	ND		ug/kg	0.758	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.796	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	3.41	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.361	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.55	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	2.56		ug/kg	2.27	0.600	1	A
Chlordane	62.1	P	ug/kg	15.2	6.02	1	A

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2142363**Project Number:** UT5544**Report Date:** 08/13/21**SAMPLE RESULTS**

Lab ID: L2142363-04  
 Client ID: STOCKPILE SOUTH CENTER  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	98		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-05  
**Client ID:** STOCKPILE SOUTH WEST  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 08/13/21 10:22  
**Analyst:** SDC  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/12/21 15:48  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.94	0.380	1	A
Lindane	ND		ug/kg	0.808	0.361	1	A
Alpha-BHC	ND		ug/kg	0.808	0.229	1	A
Beta-BHC	ND		ug/kg	1.94	0.735	1	A
Heptachlor	ND		ug/kg	0.969	0.434	1	A
Aldrin	ND		ug/kg	1.94	0.682	1	A
Heptachlor epoxide	4.43		ug/kg	3.63	1.09	1	A
Endrin	ND		ug/kg	0.808	0.331	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.848	1	A
Endrin ketone	ND		ug/kg	1.94	0.499	1	A
Dieldrin	ND		ug/kg	1.21	0.606	1	A
4,4'-DDE	ND		ug/kg	1.94	0.448	1	A
4,4'-DDD	ND		ug/kg	1.94	0.691	1	A
4,4'-DDT	ND		ug/kg	3.63	1.56	1	A
Endosulfan I	ND		ug/kg	1.94	0.458	1	A
Endosulfan II	ND		ug/kg	1.94	0.648	1	A
Endosulfan sulfate	ND		ug/kg	0.808	0.384	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.675	1	A
trans-Chlordane	9.34	P	ug/kg	2.42	0.640	1	A
Chlordane	54.4	IP	ug/kg	16.2	6.42	1	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-05  
 Client ID: STOCKPILE SOUTH WEST  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	151	Q	30-150	B

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 08/13/21 10:33  
**Analyst:** SDC  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 08/12/21 15:48  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.799	0.357	1	A
Alpha-BHC	ND		ug/kg	0.799	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.727	1	A
Heptachlor	ND		ug/kg	0.959	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.675	1	A
Heptachlor epoxide	6.48	P	ug/kg	3.60	1.08	1	B
Endrin	ND		ug/kg	0.799	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.839	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.599	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	ND		ug/kg	1.92	0.684	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.453	1	A
Endosulfan II	ND		ug/kg	1.92	0.641	1	A
Endosulfan sulfate	ND		ug/kg	0.799	0.380	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.668	1	A
trans-Chlordane	8.47	P	ug/kg	2.40	0.633	1	A
Chlordane	195	P	ug/kg	16.0	6.35	1	A



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

Lab ID: L2142363-06  
 Client ID: STOCKPILE SOUTH  
 Sample Location: ROME, NY

Date Collected: 08/06/21 09:00  
 Date Received: 08/06/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	128		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 08/13/21 08:43  
Analyst: SDC

Extraction Method: EPA 3546  
Extraction Date: 08/12/21 15:42  
Cleanup Method: EPA 3620B  
Cleanup Date: 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1534467-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.646	0.289	A
Alpha-BHC	ND		ug/kg	0.646	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.588	A
Heptachlor	ND		ug/kg	0.775	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.872	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.969	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	2.91	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.307	A
Methoxychlor	ND		ug/kg	2.91	0.904	A
Toxaphene	ND		ug/kg	29.1	8.14	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 08/13/21 08:43  
Analyst: SDC

Extraction Method: EPA 3546  
Extraction Date: 08/12/21 15:42  
Cleanup Method: EPA 3620B  
Cleanup Date: 08/13/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1534467-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	110		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1534467-2 WG1534467-3									
Delta-BHC	91		90		30-150	1		30	A
Lindane	91		88		30-150	3		30	A
Alpha-BHC	94		93		30-150	1		30	A
Beta-BHC	87		84		30-150	4		30	A
Heptachlor	92		90		30-150	2		30	A
Aldrin	86		85		30-150	1		30	A
Heptachlor epoxide	80		79		30-150	1		30	A
Endrin	85		84		30-150	1		30	A
Endrin aldehyde	54		57		30-150	5		30	A
Endrin ketone	74		76		30-150	3		30	A
Dieldrin	88		86		30-150	2		30	A
4,4'-DDE	83		82		30-150	1		30	A
4,4'-DDD	91		90		30-150	1		30	A
4,4'-DDT	97		97		30-150	0		30	A
Endosulfan I	81		80		30-150	1		30	A
Endosulfan II	83		84		30-150	1		30	A
Endosulfan sulfate	55		58		30-150	5		30	A
Methoxychlor	84		85		30-150	1		30	A
cis-Chlordane	83		80		30-150	4		30	A
trans-Chlordane	90		89		30-150	1		30	A

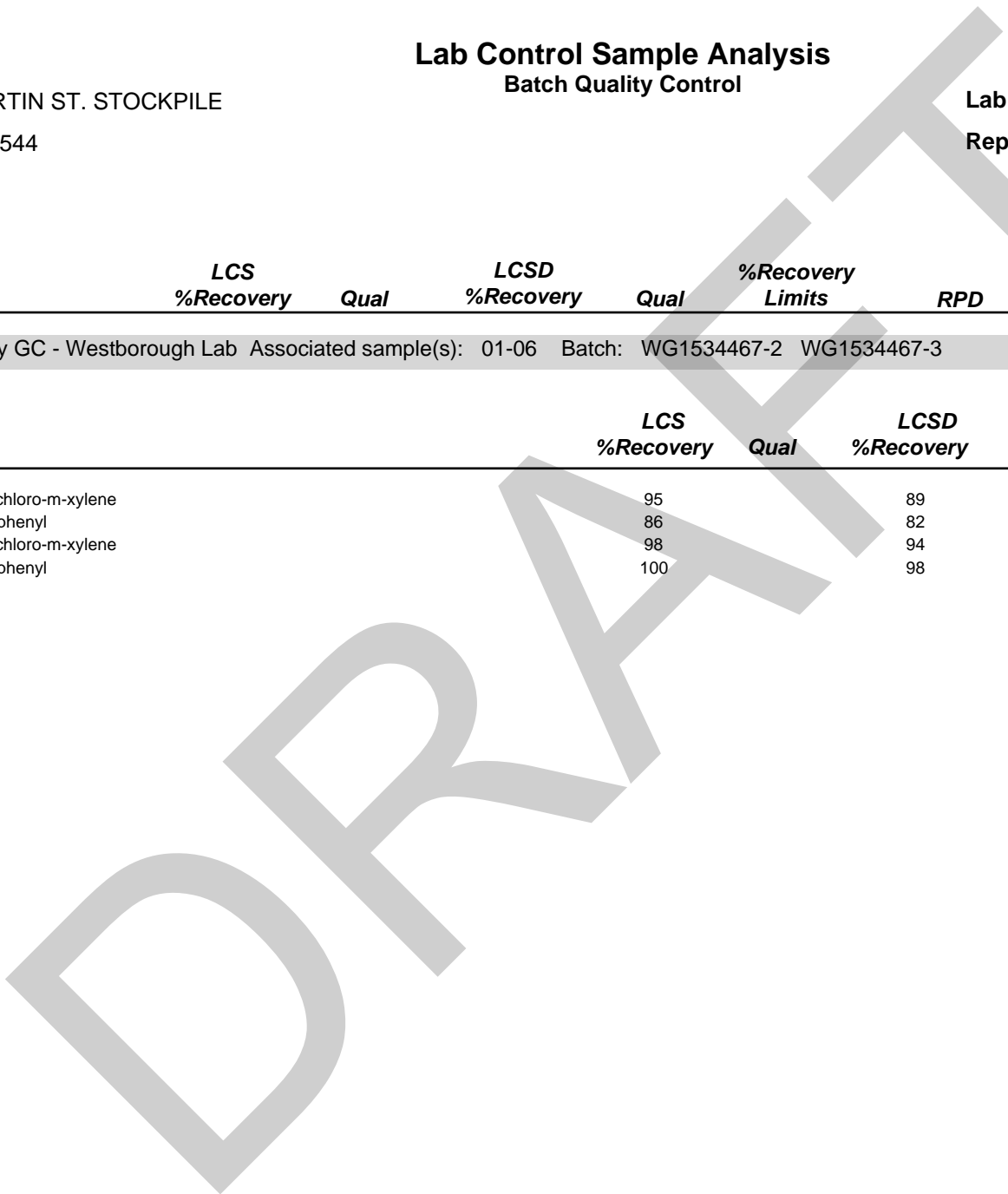
### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1534467-2 WG1534467-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		89		30-150	A
Decachlorobiphenyl	86		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		94		30-150	B
Decachlorobiphenyl	100		98		30-150	B



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&  
MISCELLANEOUS**

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-01  
**Client ID:** STOCKPILE NORTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	73.8		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.3	0.27	1	08/10/21 12:20	08/10/21 15:09	1,9010C/9012B	CR
pH (H)	7.2		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-02  
**Client ID:** STOCKPILE NORTH CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	78.5		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	08/10/21 12:20	08/10/21 15:12	1,9010C/9012B	CR
pH (H)	10.3		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-03  
**Client ID:** STOCKPILE CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.1		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/10/21 12:20	08/10/21 15:13	1,9010C/9012B	CR
pH (H)	9.1		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-04  
**Client ID:** STOCKPILE SOUTH CENTER  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.8		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.24	1	08/10/21 12:20	08/10/21 15:24	1,9010C/9012B	CR
pH (H)	9.3		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-05  
**Client ID:** STOCKPILE SOUTH WEST  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.0		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.25	1	08/10/21 12:20	08/10/21 15:25	1,9010C/9012B	CR
pH (H)	9.4		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**SAMPLE RESULTS**

**Lab ID:** L2142363-06  
**Client ID:** STOCKPILE SOUTH  
**Sample Location:** ROME, NY

**Date Collected:** 08/06/21 09:00  
**Date Received:** 08/06/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.1		%	0.100	NA	1	-	08/09/21 08:44	121,2540G	PR
Cyanide, Total	ND		mg/kg	1.2	0.25	1	08/10/21 12:20	08/10/21 15:26	1,9010C/9012B	CR
pH (H)	9.2		SU	-	NA	1	-	08/10/21 10:30	1,9045D	KP



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1533051-1									
Cyanide, Total	ND	mg/kg	0.96	0.20	1	08/10/21 12:20	08/10/21 15:05	1,9010C/9012B	CR
General Chemistry - Westborough Lab for sample(s): 04-06 Batch: WG1533052-1									
Cyanide, Total	ND	mg/kg	0.96	0.20	1	08/10/21 12:20	08/10/21 15:05	1,9010C/9012B	CR

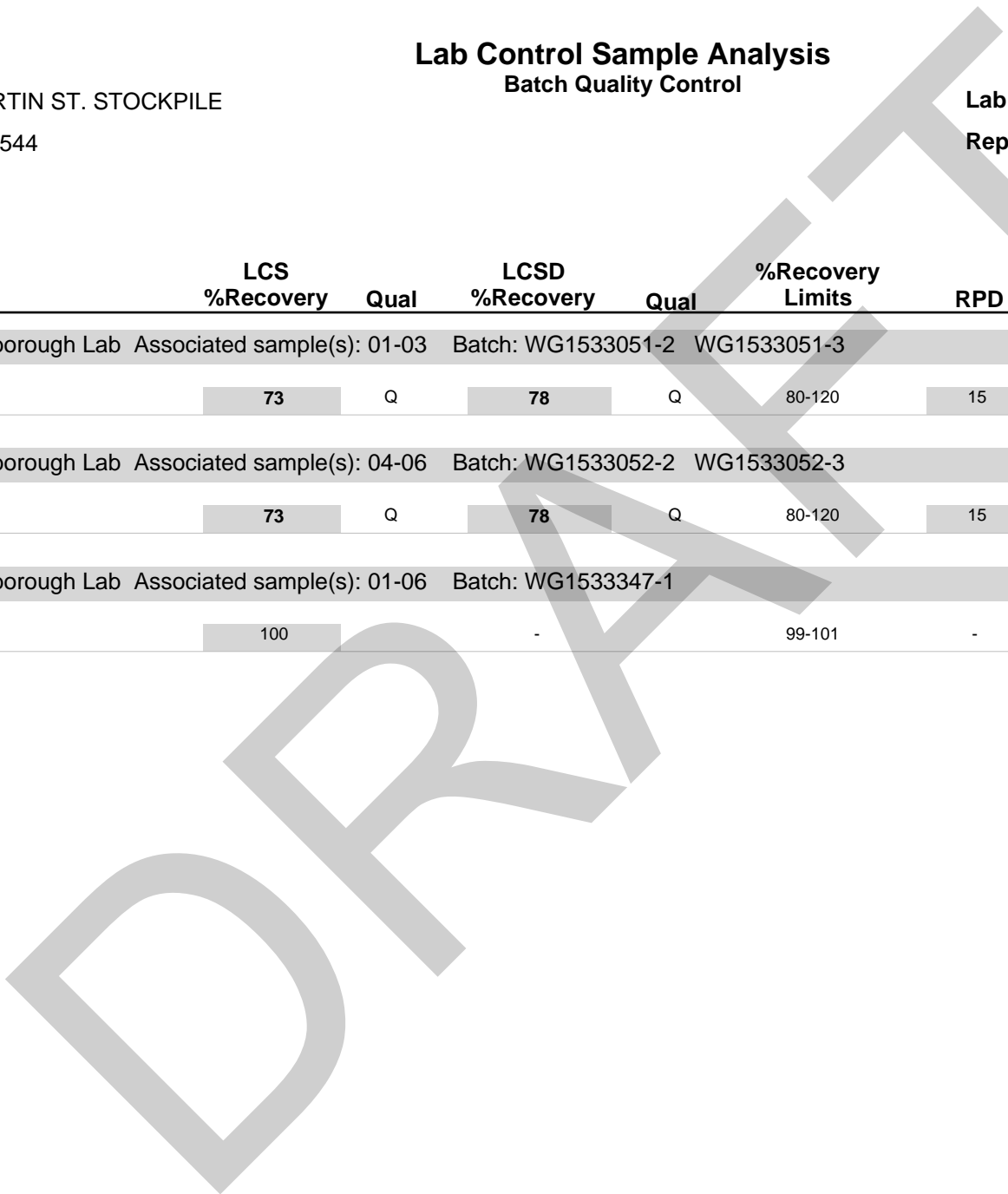
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### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1533051-2 WG1533051-3								
Cyanide, Total	73	Q	78	Q	80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 Batch: WG1533052-2 WG1533052-3								
Cyanide, Total	73	Q	78	Q	80-120	15		35
General Chemistry - Westborough Lab Associated sample(s): 01-06 Batch: WG1533347-1								
pH	100		-		99-101	-		



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1533051-4 WG1533051-5 QC Sample: L2142363-01 Client ID: STOCKPILE NORTH												
Cyanide, Total	ND	13	11	83		12	90		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 04-06 QC Batch ID: WG1533052-4 WG1533052-5 QC Sample: L2142403-02 Client ID: MS Sample												
Cyanide, Total	ND	10	10	100		9.7	100		75-125	3		35

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**Lab Duplicate Analysis**  
*Batch Quality Control*

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1532879-1 QC Sample: L2142427-01 Client ID: DUP Sample						
Solids, Total	86.3	86.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1533347-2 QC Sample: L2142363-01 Client ID: STOCKPILE NORTH						
pH (H)	7.2	7.2	SU	0		5

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

Serial\_No:08132116:31  
**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2142363-01A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-01B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-01C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-01D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-01X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-01Y	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-01Z	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-02A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-02B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-02C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-02D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-02X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-02Y	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-02Z	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-03A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-03B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-03C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-03D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-03X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-03Y	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-03Z	Vial Water preserved split	A	NA		3.0	Y	Absent	10-AUG-21 05:46	NYTCL-8260-R2(14)
L2142363-04A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)

\*Values in parentheses indicate holding time in days



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Serial\_No:**08132116:31  
**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2142363-04B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-04C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-04D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-04X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-04Y	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)
L2142363-04Z	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)
L2142363-05A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-05B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-05C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-05D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-05X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-05Y	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)
L2142363-05Z	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)
L2142363-06A	Vial Large Septa unpreserved (4oz)	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-06B	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2142363-06C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		SUB-TAL 6010(180)
L2142363-06D	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365)
L2142363-06X	Vial MeOH preserved split	A	NA		3.0	Y	Absent		NYTCL-8260-R2(14)
L2142363-06Y	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)
L2142363-06Z	Vial Water preserved split	A	NA		3.0	Y	Absent	<b>10-AUG-21 05:46</b>	NYTCL-8260-R2(14)

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

#### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

**Data Qualifiers**

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2142363  
**Report Date:** 08/13/21

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

L2142363



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

7611

**Albany**  
22 Corporate Drive  
Clifton Park, NY 12065  
518/383-9144 (T)  
518/383-9166 (F)

**Binghamton**  
126 Park Avenue  
Binghamton, NY 13903  
607/773-1812 (T)  
607/773-1835 (F)

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315/386-4578 (T)  
315/386-1012 (F)

**Elmira**  
2330 Route 352  
Corning, NY 14903  
607/737-0700 (T)  
607/737-0714 (F)

**Plattsburgh**  
130 Arizona Ave  
Plattsburgh, NY 12903  
518/563-5878 (T)  
518/562-1321 (F)

**Poughkeepsie**  
251 Upper North Road  
Highland, NY 12528  
845/691-6098 (T)  
845/691-6099 (F)

**Rochester**  
3445 Winton Road  
Rochester, NY 14623  
585/427-9020 (T)  
585/427-9021 (F)

**Syracuse**  
6085 Court Street Road  
Syracuse, NY 13206  
315/699-5281 (T)  
315/699-3374 (F)

**Utica**  
301 St. Anthony Street  
Utica, NY 13501  
315/735-3309 (T)  
315/735-0742 (F)

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)

Project No.		Client Name		QA/QC Code		Parameters						Report Distribution	
475544		Hamilton College		<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other _____		pH (9045c)	SVOC	Pesticides	PCB	TAL Metals	Cyanide	Dates Required: <b>29 Day TAT</b>	
Page 1 of 2		Project Contact: <b>Matt Clum</b>		Project Location: <b>Rane, NY</b>								Send Report To: <b>Labs at atlantictesting.com</b>	
Project Name: <b>Martin St. Stockpile</b>		Sample Type		No. of Containers								Fax Results: <b>YES</b> <input type="checkbox"/> NO	
Date	Time	Sample Location		Sample Type	No. of Containers							Laboratory Identification No.	Field Notes
8/6/21	900	Stockpile North		CS	3	X	X	X	X	X	X		475544CS01
8/6/21	900	Stockpile North Center		CS	3	X	X	X	X	X	X		475544CS02
8/6/21	900	Stockpile <del>North</del> Center		CS	3	X	X	X	X	X	X		475544CS03
8/6/21	900	Stockpile <del>North</del> South Center		CS	3	X	X	X	X	X	X		475544CS04
8/6/21	900	Stockpile South West		CS	3	X	X	X	X	X	X		475544CS05
8/6/21	900	Stockpile South <del>West</del>		CS	3	X	X	X	X	X	X		475544CS06
Samplers Name: <b>Matt Clum</b>		Date: <b>8/6/21</b>		Received for Name:		Date:		Shipment Rec'd Intact?					
Samplers Signature: <i>[Signature]</i>		Time: <b>12:30 pm</b>		Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO					
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:		Laboratory Remarks			
Name:	<b>Matt Clum</b>		Date:	<b>8/6/21</b>		Name:	<b>Eric Whalen AHL</b>		Date:	<b>8/6/21</b>			
Signature:	<i>[Signature]</i>		Time:			Signature:	<i>[Signature]</i>		Time:	<b>1510</b>			
Name:	<b>Eric Whalen</b>		Date:	<b>8/6/21</b>		Name:	<b>Sharon Hoffman</b>		Date:	<b>8/7/21</b>			
Signature:	<i>[Signature]</i>		Time:	<b>1510</b>		Signature:	<i>[Signature]</i>		Time:	<b>0048</b>			
						<b>Description</b> C Composite G Grab Q QA/QC O Other		<b>Matrix</b> DW Drinking Water GW Groundwater O Oil S Soil SL Sludge WW Wastewater					

Think Quality



22142363



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

7614

**Albany**  
22 Corporate Drive  
Clifton Park, NY 12065  
518/383-9144 (T)  
518/383-9166 (F)

**Binghamton**  
126 Park Avenue  
Binghamton, NY 13903  
607/773-1812 (T)  
607/773-1835 (F)

**Canton**  
6431 U.S. Highway 11  
Canton, NY 13617  
315/386-4578 (T)  
315/386-1012 (F)

**Elmira**  
2330 Route 352  
Corning, NY 14903  
607/737-0700 (T)  
607/737-0714 (F)

**Plattsburgh**  
130 Arizona Ave  
Plattsburgh, NY 12903  
518/563-5878 (T)  
518/562-1321 (F)

**Poughkeepsie**  
251 Upper North Road  
Highland, NY 12528  
845/691-6098 (T)  
845/691-6099 (F)

**Rochester**  
3445 Winton Road  
Rochester, NY 14623  
585/427-9020 (T)  
585/427-9021 (F)

**Syracuse**  
6085 Court Street Road  
Syracuse, NY 13206  
315/699-5281 (T)  
315/699-3374 (F)

**Utica**  
301 St. Anthony Street  
Utica, NY 13501  
315/735-3309 (T)  
315/735-0742 (F)

**Watertown**  
26581 NYS Route 283  
Watertown, NY 13601  
315/786-7887 (T)  
315/786-2022 (F)

Project No.		Client Name		QA/QC Code		Parameters						Report Distribution	
WT5544		Hamilton College		<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846							Dates Required:	5 Days TAT
Page 2 of 2				<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP							Send Report To:	Labs ut e atlantic testing
Project Contact:		Matt Clum		Project Location								Print Results:	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
Project Name:		Martin St. Stockpile		Rome, NY								Laboratory Identification No.	Field Notes
Date	Time	Sample Location		Sample Type	No. of Containers								
8/6/21	900	Stockpile North		GS	1	X							WT5544GS01
8/6/21	900	Stockpile North Center		GS	1	X							WT5544GS02
8/6/21	900	Stockpile Center		GS	1	X							WT5544GS03
8/6/21	900	Stockpile South Center		GS	1	X							WT5544GS04
8/6/21	900	Stockpile South West		GS	1	X							WT5544GS05
8/6/21	900	Stockpile South @		GS	1	X							WT5544GS06
Samplers Name:		Matt Clum		Date:	8/6/21	Received for Name:						Date:	Shipment Rec'd Intact?
Samplers Signature:				Time:	1030 pm	Laboratory Signature:						Time:	<input type="checkbox"/> YES <input type="checkbox"/> NO
Samples Relinquished By:				Samples Received By:				Sample Type Code Key:				Laboratory Remarks	
Name:	Matt Clum		Date:	8/6/21	Name:	Eric Whelan ATL		Date:	8/6/21	Description	Matrix		
Signature:			Time:		Signature:			Time:	1510	C Composite	DW Drinking Water		
Name:	Eric Whelan		Date:	8/6/21	Name:	Shayon Hoffman		Date:	8/7/21	G Grab	GW Groundwater		
Signature:			Time:	1510	Signature:			Time:	0048	Q QA/QC	O Oil		
										Other	S Soil		
											SL Sludge		
											WW Wastewater		

Think Quality



Friday, August 13, 2021

Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

Project ID: L2142363  
SDG ID: GC193291  
Sample ID#s: CI93291 - CI93296

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

Phyllis Shiller  
Laboratory Director

NELAC - #NY11301  
CT Lab Registration #PH-0618  
MA Lab Registration #M-CT007  
ME Lab Registration #CT-007  
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003  
NY Lab Registration #11301  
PA Lab Registration #68-03530  
RI Lab Registration #63  
UT Lab Registration #CT00007  
VT Lab Registration #VT11301





Environmental Laboratories, Inc.  
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
 Tel. (860) 645-1102 Fax (860) 645-0823



## Sample Id Cross Reference

August 13, 2021

SDG I.D.: GCI93291

Project ID: L2142363

Client Id	Lab Id	Matrix
STOCKPILE NORTH	CI93291	SOIL
STOCKPILE NORTH CENTER	CI93292	SOIL
STOCKPILE CENTER	CI93293	SOIL
STOCKPILE SOUTH CENTER	CI93294	SOIL
STOCKPILE SOUTH WEST	CI93295	SOIL
STOCKPILE SOUTH	CI93296	SOIL



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# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date Time

08/06/21 9:00  
08/09/21 13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93291

Project ID: L2142363  
Client ID: STOCKPILE NORTH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.46	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	10600	69	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	4.67	0.91	mg/Kg	1	08/10/21	TH	SW6010D
Barium	68.6	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.37	0.37	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	64900	69	mg/Kg	10	08/10/21	TH	SW6010D
Cadmium	0.96	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	7.11	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	14.5	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Copper	302	9.1	mg/kg	10	08/10/21	TH	SW6010D
Iron	18400	69	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.05	0.04	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2020	6.9	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	5110	6.9	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	539	4.6	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	212	6.9	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	17.6	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Lead	220	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Antimony	< 4.6	4.6	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.8	1.8	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 4.1	4.1	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	23.5	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	269	0.9	mg/Kg	1	08/10/21	TH	SW6010D
Percent Solid	72		%		08/09/21	AR	SW846-%Solid
Sample Disposal	Completed				08/09/21		
Mercury Digestion	Completed				08/10/21	AB/AB	SW7471B
Total Metals Digest	Completed				08/09/21	M/AG/BF	SW3050B

Project ID: L2142363

Phoenix I.D.: CI93291

Client ID: STOCKPILE NORTH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
 BRL=Below Reporting Level L=Biased Low

**Comments:**

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**Phyllis Shiller, Laboratory Director**

**August 13, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date Time

08/06/21 9:00  
08/09/21 13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93292

Project ID: L2142363  
Client ID: STOCKPILE NORTH CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.46	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	15500	68	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	7.95	0.91	mg/Kg	1	08/10/21	TH	SW6010D
Barium	120	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.37	0.37	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	11100	6.8	mg/Kg	1	08/10/21	TH	SW6010D
Cadmium	1.32	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	13.4	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	21.7	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Copper	718	9.1	mg/kg	10	08/10/21	TH	SW6010D
Iron	28800	68	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.08	0.03	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2880	6.8	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	5200	6.8	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	536	4.6	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	334	6.8	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	33.1	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Lead	385	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Antimony	< 4.6	4.6	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.8	1.8	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 4.1	4.1	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	31.7	0.46	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	549	9.1	mg/Kg	10	08/10/21	TH	SW6010D
Percent Solid	74		%		08/09/21	AR	SW846-%Solid

Sample Disposal	Completed	08/09/21	
Mercury Digestion	Completed	08/10/21	AB/AB SW7471B
Total Metals Digest	Completed	08/09/21	M/AG/BF SW3050B

Project ID: L2142363

Phoenix I.D.: CI93292

Client ID: STOCKPILE NORTH CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
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**Phyllis Shiller, Laboratory Director**

**August 13, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



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# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date Time

08/06/21 9:00  
08/09/21 13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93293

Project ID: L2142363  
Client ID: STOCKPILE CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.59	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	14300	70	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	11.5	0.94	mg/Kg	1	08/10/21	TH	SW6010D
Barium	487	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.38	0.38	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	4030	70	mg/Kg	10	08/10/21	TH	SW6010D
Cadmium	4.85	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	10.9	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	29.1	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Copper	29.7	9.4	mg/kg	10	08/10/21	TH	SW6010D
Iron	21500	70	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.53	0.03	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2540	7.0	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	5140	7.0	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	463	4.7	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	220	7.0	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	37.5	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Lead	19.2	4.7	mg/Kg	10	08/10/21	TH	SW6010D
Antimony	< 4.7	4.7	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.9	1.9	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 4.2	4.2	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	35.1	0.47	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	69.9	9.4	mg/Kg	10	08/10/21	TH	SW6010D
Percent Solid	76		%		08/09/21	AR	SW846-%Solid

Sample Disposal	Completed	08/09/21	
Mercury Digestion	Completed	08/10/21	AB/AB SW7471B
Total Metals Digest	Completed	08/09/21	M/AG/BF SW3050B

Project ID: L2142363

Phoenix I.D.: CI93293

Client ID: STOCKPILE CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

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**Phyllis Shiller, Laboratory Director**

**August 13, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**





Environmental Laboratories, Inc.  
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Tel. (860) 645-1102 Fax (860) 645-0823



# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date Time

08/06/21 9:00  
08/09/21 13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93294

Project ID: L2142363  
Client ID: STOCKPILE SOUTH CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	9920	63	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	8.94	0.84	mg/Kg	1	08/10/21	TH	SW6010D
Barium	575	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.34	0.34	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	9650	63	mg/Kg	10	08/10/21	TH	SW6010D
Cadmium	3.67	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	10.4	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	21.6	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Copper	51.2	8.4	mg/kg	10	08/10/21	TH	SW6010D
Iron	19500	63	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.42	0.03	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2300	6.3	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	4460	6.3	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	300	4.2	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	152	6.3	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	31.3	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Lead	129	4.2	mg/Kg	10	08/10/21	TH	SW6010D
Antimony	< 4.2	4.2	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.7	1.7	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 3.8	3.8	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	28.9	0.42	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	229	8.4	mg/Kg	10	08/10/21	TH	SW6010D
Percent Solid	78		%		08/09/21	AR	SW846-%Solid

Sample Disposal	Completed	08/09/21	
Mercury Digestion	Completed	08/10/21	AB/AB SW7471B
Total Metals Digest	Completed	08/09/21	M/AG/BF SW3050B

Project ID: L2142363

Phoenix I.D.: CI93294

Client ID: STOCKPILE SOUTH CENTER

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
BRL=Below Reporting Level L=Biased Low

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Phyllis Shiller, Laboratory Director

August 13, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
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# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date Time

08/06/21 9:00  
08/09/21 13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93295

Project ID: L2142363  
Client ID: STOCKPILE SOUTH WEST

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	0.41	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	8620	60	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	7.93	0.80	mg/Kg	1	08/10/21	TH	SW6010D
Barium	164	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.32	0.32	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	4240	60	mg/Kg	10	08/10/21	TH	SW6010D
Cadmium	2.24	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	10.2	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	26.3	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Copper	19.9	8.0	mg/kg	10	08/10/21	TH	SW6010D
Iron	17200	60	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.35	0.03	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2480	6.0	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	4590	6.0	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	325	4.0	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	134	6.0	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	30.7	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Lead	29.3	4.0	mg/Kg	10	08/10/21	TH	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 3.6	3.6	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	30.0	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	64.7	8.0	mg/Kg	10	08/10/21	TH	SW6010D
Percent Solid	77		%		08/09/21	AR	SW846-%Solid

Sample Disposal	Completed	08/09/21	
Mercury Digestion	Completed	08/10/21	AB/AB SW7471B
Total Metals Digest	Completed	08/09/21	M/AG/BF SW3050B

Project ID: L2142363

Phoenix I.D.: CI93295

Client ID: STOCKPILE SOUTH WEST

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
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**Phyllis Shiller, Laboratory Director**

**August 13, 2021**

**Reviewed and Released by: Rashmi Makol, Project Manager**



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# Analysis Report

August 13, 2021

FOR: Attn: Melissa Deyo  
Alpha Analytical Lab  
8 Walkup Drive  
Westborough, MA 01581

## Sample Information

Matrix: SOIL  
Location Code: ALPHA  
Rush Request: 96 Hour  
P.O.#:

## Custody Information

Collected by:  
Received by: LB  
Analyzed by: see "By" below

## Date      Time

08/06/21      9:00  
08/09/21      13:15

## Laboratory Data

SDG ID: GCI93291  
Phoenix ID: CI93296

Project ID: L2142363  
Client ID: STOCKPILE SOUTH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Aluminum	13900	59	mg/Kg	10	08/10/21	TH	SW6010D
Arsenic	10.9	0.79	mg/Kg	1	08/10/21	TH	SW6010D
Barium	198	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Beryllium	< 0.32	0.32	mg/Kg	1	08/10/21	TH	SW6010D
Calcium	30200	59	mg/Kg	10	08/10/21	TH	SW6010D
Cadmium	2.56	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Cobalt	9.78	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Chromium	21.2	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Copper	3110	79	mg/kg	100	08/12/21	CPP	SW6010D
Iron	27700	59	mg/Kg	10	08/10/21	TH	SW6010D
Mercury	0.31	0.03	mg/Kg	2	08/10/21	AT	SW7471B
Potassium	2580	5.9	mg/Kg	1	08/10/21	TH	SW6010D
Magnesium	4600	5.9	mg/Kg	1	08/10/21	TH	SW6010D
Manganese	686	4.0	mg/Kg	10	08/10/21	TH	SW6010D
Sodium	157	5.9	mg/Kg	1	08/10/21	TH	SW6010D
Nickel	30.8	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Lead	2810	4.0	mg/Kg	10	08/10/21	TH	SW6010D
Antimony	< 4.0	4.0	mg/Kg	1	08/10/21	TH	SW6010D
Selenium	< 1.6	1.6	mg/Kg	1	08/10/21	TH	SW6010D
Thallium	< 3.6	3.6	mg/Kg	1	08/10/21	TH	SW6010D
Vanadium	35.4	0.40	mg/Kg	1	08/10/21	TH	SW6010D
Zinc	2120	7.9	mg/Kg	10	08/10/21	TH	SW6010D
Percent Solid	76		%		08/09/21	AR	SW846-%Solid
Sample Disposal	Completed				08/09/21		
Mercury Digestion	Completed				08/10/21	AB/AB	SW7471B
Total Metals Digest	Completed				08/09/21	M/AG/BF	SW3050B

Project ID: L2142363

Phoenix I.D.: CI93296

Client ID: STOCKPILE SOUTH

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected at RL/PQL  
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If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.  
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

August 13, 2021

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.  
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045  
Tel. (860) 645-1102 Fax (860) 645-0823



## QA/QC Report

August 13, 2021

### QA/QC Data

SDG I.D.: GCI93291

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
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QA/QC Batch 587091 (mg/kg), QC Sample No: CI87985 2X (CI93291, CI93292, CI93293, CI93294, CI93295, CI93296)

Mercury - Soil	BRL	0.02	0.49	0.50	2.00	95.2	107	11.7	156			70 - 130	30	m
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Comment:

This batch consists of a Blank, LCS, LCSD, duplicate, and MS.

Additional Mercury criteria: LCS acceptance range for waters is 80-120% and for soils is 70-130%. MS acceptance range is 75-125%.

QA/QC Batch 587039 (mg/kg), QC Sample No: CI93101 (CI93291, CI93292, CI93293, CI93294, CI93295, CI93296)

### ICP Metals - Soil

Aluminum	BRL	5.0	3820	4520	16.8	115	120	4.3	NC			75 - 125	35	
Antimony	BRL	3.3	<3.6	<3.5	NC	95.6	103	7.5	94.3			75 - 125	35	
Arsenic	BRL	0.67	1.42	1.98	NC	104	113	8.3	96.8			75 - 125	35	
Barium	BRL	0.33	13.3	18.6	33.2	119	125	4.9	118			75 - 125	35	
Beryllium	BRL	0.27	<0.29	<0.28	NC	96.5	105	8.4	95.4			75 - 125	35	
Cadmium	BRL	0.33	<0.36	<0.35	NC	94.0	102	8.2	93.4			75 - 125	35	
Calcium	BRL	5.0	1350	1470	8.50	96.8	103	6.2	NC			75 - 125	35	
Chromium	BRL	0.33	7.76	6.42	18.9	99.7	107	7.1	95.8			75 - 125	35	
Cobalt	BRL	0.33	4.51	5.15	13.3	98.2	106	7.6	97.2			75 - 125	35	
Copper	BRL	0.67	6.1	9.66	45.2	104	112	7.4	103			75 - 125	35	r
Iron	BRL	5.0	7960	11400	35.5	94.4	99.2	5.0	NC			75 - 125	35	
Lead	BRL	0.33	4.62	7.48	47.3	104	110	5.6	98.2			75 - 125	35	r
Magnesium	BRL	5.0	2220	2000	10.4	107	111	3.7	NC			75 - 125	35	
Manganese	BRL	0.33	172	214	21.8	103	111	7.5	>130			75 - 125	35	m
Nickel	BRL	0.33	6.35	4.85	26.8	100	107	6.8	95.7			75 - 125	35	
Potassium	BRL	5.0	357	480	29.4	116	115	0.9	>130			75 - 125	35	m
Selenium	BRL	1.3	<1.4	<1.4	NC	108	117	8.0	102			75 - 125	35	
Silver	BRL	0.33	<0.36	<0.35	NC	103	110	6.6	96.0			75 - 125	35	
Sodium	BRL	5.0	28.9	38.8	29.2	124	123	0.8	>130			75 - 125	35	m
Thallium	BRL	3.0	<3.2	<3.1	NC	105	111	5.6	96.2			75 - 125	35	
Vanadium	BRL	0.33	12.4	15.7	23.5	95.5	102	6.6	101			75 - 125	35	
Zinc	BRL	0.67	21.0	27.8	27.9	104	112	7.4	111			75 - 125	35	

Comment:


Additional Criteria: LCS acceptance range is 80-120% MS acceptance range 75-125%.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference  
LCS - Laboratory Control Sample  
LCSD - Laboratory Control Sample Duplicate  
MS - Matrix Spike  
MS Dup - Matrix Spike Duplicate  
NC - No Criteria  
Intf - Interference

  
Phyllis Shiller, Laboratory Director  
August 13, 2021



# Sample Criteria Exceedances Report

GCI93291 - ALPHA

Friday, August 13, 2021  
Criteria: None  
State: NY

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL	Criteria	Analysis Units
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\*\*\* No Data to Display \*\*\*

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.





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## Analysis Comments

August 13, 2021

SDG I.D.: GCI93291

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The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

DRAFT



**Environmental Laboratories, Inc.**  
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Tel. (860) 645-1102 Fax (860) 645-0823



# NY Temperature Narration

August 13, 2021




SDG I.D.: GCI93291

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The samples in this delivery group were received at 1.0°C.  
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

DRAFT

WICE 1.0

		<b>Subcontract Chain of Custody</b> Phoenix Environmental Laboratories 587 East Middle Turnpike Manchester, CT 06040		Alpha Job Number L2142363	
<b>Client Information</b> Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 716.427.5229 Email: mdeyo@alphalab.com		<b>Project Information</b> Project Location: NY Project Manager: Melissa Deyo Turnaround & Deliverables Information Due Date: 08/13/21 Deliverables:		<b>Regulatory Requirements/Report Limits</b> State/Federal Program: Regulatory Criteria:	
Reference following Alpha Job Number on final report/deliverables: L2142363 Report to include Method Blank, LCS/LCSD: YES					
Additional Comments: Send all results/reports to subreports@alphalab.com ; 4 day TAT					
<b>Project Specific Requirements and/or Report Requirements</b>					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
93891	STOCKPILE NORTH	08-06-21 09:00	SOIL	TAL 6010 Metals	
93892	STOCKPILE NORTH CENTER	08-06-21 09:00	SOIL	TAL 6010 Metals	
93893	STOCKPILE CENTER	08-06-21 09:00	SOIL	TAL 6010 Metals	
93894	STOCKPILE SOUTH CENTER	08-06-21 09:00	SOIL	TAL 6010 Metals	
93895	STOCKPILE SOUTH WEST	08-06-21 09:00	SOIL	TAL 6010 Metals	
93896	STOCKPILE SOUTH	08-06-21 09:00	SOIL	TAL 6010 Metals	
Relinquished By: 		Date/Time: 6/8/09/21 AUG - 9 2021		Received By:  Date/Time: AUG - 9 2021 11:30 8/9 1315	
Form No: AL_subcoc					



## ANALYTICAL REPORT

Lab Number: L2151233

Client: Atlantic Testing Laboratories, Limited  
301 St. Anthony Street  
Utica, NY 13501

ATTN: Matt Clum

Phone: (315) 735-3309

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Report Date: 09/29/21

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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Eight Walkup Drive, Westborough, MA 01581-1019  
508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)



Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2151233-01	UT5544CS07	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-02	UT5544CS08	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-03	UT5544CS09	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-04	UT5544CS10	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-05	UT5544CS11	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-06	UT5544CS12	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-07	UT5544CS13	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-08	UT5544CS14	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-09	UT5544GS07	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-10	UT5544GS08	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-11	UT5544GS09	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-12	UT5544GS10	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-13	UT5544GS11	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-14	UT5544GS12	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-15	UT5544GS13	SOIL	ROME, NY	09/22/21 10:00	09/22/21
L2151233-16	UT5544GS14	SOIL	ROME, NY	09/22/21 10:00	09/22/21

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Case Narrative (continued)

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

#### Pesticides

L2151233-06: The internal standard (IS) response for 1-bromo-2-nitrobenzene (272%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds reported from this column are considered to have a potentially low bias. The surrogate recovery is outside the method acceptance criteria for decachlorobiphenyl (29%) due to interference with the Internal Standard.

#### Total Metals

L2151233-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

#### Total Mercury

L2151233-07: The sample has an elevated detection limit for Hg due to the dilution required to quantitate the result within the calibration range.

#### Cyanide, Total

The WG1552232-2/-3 LCS/LCSD recoveries for cyanide, total (47%/40%), associated with L2151233-01 through -08, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Caitlin Walukevich

Title: Technical Director/Representative

Date: 09/29/21

# ORGANICS

DRAFT

**VOLATILES**

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-09  
**Client ID:** UT5544GS07  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil  
**Analytical Method:** 1,8260C  
**Analytical Date:** 09/25/21 16:15  
**Analyst:** JC  
**Percent Solids:** 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1
Trichloroethene	ND		ug/kg	0.56	0.15	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-09

Date Collected: 09/22/21 10:00

Client ID: UT5544GS07

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	90	39.	1
Freon-113	ND		ug/kg	4.5	0.78	1
Methyl cyclohexane	ND		ug/kg	4.5	0.68	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-09  
 Client ID: UT5544GS07  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-10  
 Client ID: UT5544GS08  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/25/21 16:41  
 Analyst: JC  
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.66	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1
Trichloroethene	ND		ug/kg	0.61	0.17	1



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-10

Date Collected: 09/22/21 10:00

Client ID: UT5544GS08

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.79	1
n-Propylbenzene	ND		ug/kg	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
Methyl Acetate	ND		ug/kg	4.9	1.2	1
Cyclohexane	ND		ug/kg	12	0.66	1
1,4-Dioxane	ND		ug/kg	98	43.	1
Freon-113	ND		ug/kg	4.9	0.84	1
Methyl cyclohexane	ND		ug/kg	4.9	0.74	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-10  
 Client ID: UT5544GS08  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

DRAFT

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-11

Date Collected: 09/22/21 10:00

Client ID: UT5544GS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/25/21 17:07

Analyst: JC

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.58	0.16	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-11

Date Collected: 09/22/21 10:00

Client ID: UT5544GS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.81	1
Methyl cyclohexane	ND		ug/kg	4.7	0.70	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-11

Date Collected: 09/22/21 10:00

Client ID: UT5544GS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-12

Date Collected: 09/22/21 10:00

Client ID: UT5544GS10

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/25/21 17:34

Analyst: JC

Percent Solids: 65%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1
Trichloroethene	ND		ug/kg	0.66	0.18	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-12

Date Collected: 09/22/21 10:00

Client ID: UT5544GS10

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.3	0.86	1
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
Methyl Acetate	ND		ug/kg	5.3	1.2	1
Cyclohexane	ND		ug/kg	13	0.72	1
1,4-Dioxane	ND		ug/kg	100	46.	1
Freon-113	ND		ug/kg	5.3	0.92	1
Methyl cyclohexane	ND		ug/kg	5.3	0.80	1



**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-12

Date Collected: 09/22/21 10:00

Client ID: UT5544GS10

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-13  
 Client ID: UT5544GS11  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/25/21 18:00  
 Analyst: JC  
 Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1
Trichloroethene	ND		ug/kg	0.58	0.16	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-13

Date Collected: 09/22/21 10:00

Client ID: UT5544GS11

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.6	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.6	1.1	1
Cyclohexane	ND		ug/kg	12	0.63	1
1,4-Dioxane	ND		ug/kg	93	41.	1
Freon-113	ND		ug/kg	4.6	0.80	1
Methyl cyclohexane	ND		ug/kg	4.6	0.70	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-13

Date Collected: 09/22/21 10:00

Client ID: UT5544GS11

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

DRAFT

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-14

Date Collected: 09/22/21 10:00

Client ID: UT5544GS12

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/25/21 18:26

Analyst: JC

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-14

Date Collected: 09/22/21 10:00

Client ID: UT5544GS12

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.14	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	44		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.2	0.69	1
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	85	37.	1
Freon-113	ND		ug/kg	4.2	0.74	1
Methyl cyclohexane	ND		ug/kg	4.2	0.64	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-14  
 Client ID: UT5544GS12  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

DRAFT



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-15  
 Client ID: UT5544GS13  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Analytical Method: 1,8260C  
 Analytical Date: 09/25/21 18:52  
 Analyst: JC  
 Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.19	1
Benzene	ND		ug/kg	0.59	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1
Trichloroethene	ND		ug/kg	0.59	0.16	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-15

Date Collected: 09/22/21 10:00

Client ID: UT5544GS13

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
n-Propylbenzene	ND		ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Cyclohexane	ND		ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	94	41.	1
Freon-113	ND		ug/kg	4.7	0.81	1
Methyl cyclohexane	ND		ug/kg	4.7	0.71	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-15  
 Client ID: UT5544GS13  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

DRAFT

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-16

Date Collected: 09/22/21 10:00

Client ID: UT5544GS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 09/25/21 19:19

Analyst: JC

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1
Trichloroethene	ND		ug/kg	0.55	0.15	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-16

Date Collected: 09/22/21 10:00

Client ID: UT5544GS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	88	39.	1
Freon-113	ND		ug/kg	4.4	0.76	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-16

Date Collected: 09/22/21 10:00

Client ID: UT5544GS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/25/21 12:18  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-16 Batch: WG1551221-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/25/21 12:18  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-16 Batch: WG1551221-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8260C  
Analytical Date: 09/25/21 12:18  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-16 Batch: WG1551221-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-16 Batch: WG1551221-3 WG1551221-4								
Methylene chloride	81		81		70-130	0		30
1,1-Dichloroethane	92		93		70-130	1		30
Chloroform	86		86		70-130	0		30
Carbon tetrachloride	92		92		70-130	0		30
1,2-Dichloropropane	94		97		70-130	3		30
Dibromochloromethane	94		96		70-130	2		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	92		91		70-130	1		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	91		89		70-139	2		30
1,2-Dichloroethane	88		89		70-130	1		30
1,1,1-Trichloroethane	88		88		70-130	0		30
Bromodichloromethane	90		91		70-130	1		30
trans-1,3-Dichloropropene	97		99		70-130	2		30
cis-1,3-Dichloropropene	96		97		70-130	1		30
Bromoform	98		100		70-130	2		30
1,1,2,2-Tetrachloroethane	98		100		70-130	2		30
Benzene	88		89		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	92		92		70-130	0		30
Chloromethane	83		80		52-130	4		30
Bromomethane	74		74		57-147	0		30
Vinyl chloride	87		83		67-130	5		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-16 Batch: WG1551221-3 WG1551221-4								
Chloroethane	85		83		50-151	2		30
1,1-Dichloroethene	85		85		65-135	0		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	98		99		70-130	1		30
1,3-Dichlorobenzene	100		101		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	81		82		66-130	1		30
p/m-Xylene	93		92		70-130	1		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	86		88		70-130	2		30
Styrene	93		93		70-130	0		30
Dichlorodifluoromethane	63		62		30-146	2		30
Acetone	<b>226</b>	Q	<b>220</b>	Q	54-140	3		30
Carbon disulfide	72		71		59-130	1		30
2-Butanone	122		129		70-130	6		30
4-Methyl-2-pentanone	100		99		70-130	1		30
2-Hexanone	<b>143</b>	Q	<b>148</b>	Q	70-130	3		30
Bromochloromethane	85		86		70-130	1		30
1,2-Dibromoethane	86		88		70-130	2		30
n-Butylbenzene	105		105		70-130	0		30
sec-Butylbenzene	101		100		70-130	1		30
tert-Butylbenzene	100		99		70-130	1		30

## Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-16 Batch: WG1551221-3 WG1551221-4								
1,2-Dibromo-3-chloropropane	83		83		68-130	0		30
Isopropylbenzene	100		100		70-130	0		30
p-Isopropyltoluene	102		103		70-130	1		30
Naphthalene	99		100		70-130	1		30
n-Propylbenzene	101		101		70-130	0		30
1,2,3-Trichlorobenzene	104		104		70-130	0		30
1,2,4-Trichlorobenzene	109		108		70-130	1		30
1,3,5-Trimethylbenzene	99		100		70-130	1		30
1,2,4-Trimethylbenzene	100		100		70-130	0		30
Methyl Acetate	88		89		51-146	1		30
Cyclohexane	98		99		59-142	1		30
1,4-Dioxane	84		85		65-136	1		30
Freon-113	89		89		50-139	0		30
Methyl cyclohexane	89		88		70-130	1		30

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	98		97		70-130

# SEMIVOLATILES

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-01  
 Client ID: UT5544CS07  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/24/21 14:45  
 Analyst: IM  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	22	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	37.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	1100		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	33	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-01

Date Collected: 09/22/21 10:00

Client ID: UT5544CS07

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	470		ug/kg	120	23.	1
Benzo(a)pyrene	260		ug/kg	170	51.	1
Benzo(b)fluoranthene	470		ug/kg	120	35.	1
Benzo(k)fluoranthene	160		ug/kg	120	33.	1
Chrysene	470		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	96	J	ug/kg	120	40.	1
Benzo(ghi)perylene	130	J	ug/kg	170	24.	1
Fluorene	23	J	ug/kg	210	20.	1
Phenanthrene	270		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	170	29.	1
Pyrene	1000		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	20	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-01

Date Collected: 09/22/21 10:00

Client ID: UT5544CS07

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	400	J	ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	38	J	ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	51		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-02  
**Client ID:** UT5544CS08  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 09/24/21 15:08  
**Analyst:** IM  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	59	J	ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	810		ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-02

Date Collected: 09/22/21 10:00

Client ID: UT5544CS08

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	360		ug/kg	130	25.	1
Benzo(a)pyrene	340		ug/kg	180	54.	1
Benzo(b)fluoranthene	440		ug/kg	130	37.	1
Benzo(k)fluoranthene	150		ug/kg	130	36.	1
Chrysene	370		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	130		ug/kg	130	43.	1
Benzo(ghi)perylene	200		ug/kg	180	26.	1
Fluorene	52	J	ug/kg	220	22.	1
Phenanthrene	620		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	47	J	ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	210		ug/kg	180	31.	1
Pyrene	700		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	52.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	38	J	ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-02  
 Client ID: UT5544CS08  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	220	42.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	69	J	ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	50		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-03  
 Client ID: UT5544CS09  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/24/21 15:31  
 Analyst: IM  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	150	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	1300		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	230		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-03

Date Collected: 09/22/21 10:00

Client ID: UT5544CS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	580		ug/kg	120	22.	1
Benzo(a)pyrene	500		ug/kg	160	48.	1
Benzo(b)fluoranthene	660		ug/kg	120	33.	1
Benzo(k)fluoranthene	250		ug/kg	120	31.	1
Chrysene	550		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	220		ug/kg	120	38.	1
Benzo(ghi)perylene	270		ug/kg	160	23.	1
Fluorene	140	J	ug/kg	200	19.	1
Phenanthrene	1200		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	74	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	160	27.	1
Pyrene	1000		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	140	J	ug/kg	200	18.	1
2-Methylnaphthalene	79	J	ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-03

Date Collected: 09/22/21 10:00

Client ID: UT5544CS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	160	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	57		18-120



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-04  
 Client ID: UT5544CS10  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/24/21 15:54  
 Analyst: IM  
 Percent Solids: 66%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	200	26.	1
1,2,4-Trichlorobenzene	ND		ug/kg	250	29.	1
Hexachlorobenzene	ND		ug/kg	150	28.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	34.	1
2-Chloronaphthalene	ND		ug/kg	250	25.	1
1,2-Dichlorobenzene	ND		ug/kg	250	45.	1
1,3-Dichlorobenzene	ND		ug/kg	250	43.	1
1,4-Dichlorobenzene	ND		ug/kg	250	44.	1
3,3'-Dichlorobenzidine	ND		ug/kg	250	67.	1
2,4-Dinitrotoluene	ND		ug/kg	250	50.	1
2,6-Dinitrotoluene	ND		ug/kg	250	43.	1
Fluoranthene	52	J	ug/kg	150	29.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	250	27.	1
4-Bromophenyl phenyl ether	ND		ug/kg	250	38.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	300	43.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	270	25.	1
Hexachlorobutadiene	ND		ug/kg	250	37.	1
Hexachlorocyclopentadiene	ND		ug/kg	720	230	1
Hexachloroethane	ND		ug/kg	200	41.	1
Isophorone	ND		ug/kg	220	32.	1
Naphthalene	ND		ug/kg	250	30.	1
Nitrobenzene	ND		ug/kg	220	37.	1
NDPA/DPA	ND		ug/kg	200	28.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	250	39.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	250	87.	1
Butyl benzyl phthalate	ND		ug/kg	250	63.	1
Di-n-butylphthalate	ND		ug/kg	250	48.	1
Di-n-octylphthalate	ND		ug/kg	250	85.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-04

Date Collected: 09/22/21 10:00

Client ID: UT5544CS10

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	250	23.	1
Dimethyl phthalate	ND		ug/kg	250	53.	1
Benzo(a)anthracene	38	J	ug/kg	150	28.	1
Benzo(a)pyrene	ND		ug/kg	200	61.	1
Benzo(b)fluoranthene	48	J	ug/kg	150	42.	1
Benzo(k)fluoranthene	ND		ug/kg	150	40.	1
Chrysene	33	J	ug/kg	150	26.	1
Acenaphthylene	ND		ug/kg	200	39.	1
Anthracene	ND		ug/kg	150	49.	1
Benzo(ghi)perylene	34	J	ug/kg	200	30.	1
Fluorene	ND		ug/kg	250	24.	1
Phenanthrene	ND		ug/kg	150	30.	1
Dibenzo(a,h)anthracene	ND		ug/kg	150	29.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	200	35.	1
Pyrene	47	J	ug/kg	150	25.	1
Biphenyl	ND		ug/kg	570	58.	1
4-Chloroaniline	ND		ug/kg	250	46.	1
2-Nitroaniline	ND		ug/kg	250	48.	1
3-Nitroaniline	ND		ug/kg	250	47.	1
4-Nitroaniline	ND		ug/kg	250	100	1
Dibenzofuran	ND		ug/kg	250	24.	1
2-Methylnaphthalene	ND		ug/kg	300	30.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	250	26.	1
Acetophenone	ND		ug/kg	250	31.	1
2,4,6-Trichlorophenol	ND		ug/kg	150	48.	1
p-Chloro-m-cresol	ND		ug/kg	250	37.	1
2-Chlorophenol	ND		ug/kg	250	30.	1
2,4-Dichlorophenol	ND		ug/kg	220	40.	1
2,4-Dimethylphenol	ND		ug/kg	250	83.	1
2-Nitrophenol	ND		ug/kg	540	94.	1
4-Nitrophenol	ND		ug/kg	350	100	1
2,4-Dinitrophenol	ND		ug/kg	1200	120	1
4,6-Dinitro-o-cresol	ND		ug/kg	650	120	1
Pentachlorophenol	ND		ug/kg	200	55.	1
Phenol	ND		ug/kg	250	38.	1
2-Methylphenol	ND		ug/kg	250	39.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	360	39.	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-04  
 Client ID: UT5544CS10  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	250	48.	1
Benzoic Acid	ND		ug/kg	810	250	1
Benzyl Alcohol	ND		ug/kg	250	77.	1
Carbazole	ND		ug/kg	250	24.	1
1,4-Dioxane	ND		ug/kg	38	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	47		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	31		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-05  
 Client ID: UT5544CS11  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/24/21 16:18  
 Analyst: IM  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	760		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	150	J	ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-05

Date Collected: 09/22/21 10:00

Client ID: UT5544CS11

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	370		ug/kg	120	22.	1
Benzo(a)pyrene	430		ug/kg	150	47.	1
Benzo(b)fluoranthene	490		ug/kg	120	32.	1
Benzo(k)fluoranthene	180		ug/kg	120	31.	1
Chrysene	370		ug/kg	120	20.	1
Acenaphthylene	73	J	ug/kg	150	30.	1
Anthracene	87	J	ug/kg	120	37.	1
Benzo(ghi)perylene	290		ug/kg	150	22.	1
Fluorene	39	J	ug/kg	190	19.	1
Phenanthrene	300		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	64	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	150	27.	1
Pyrene	640		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-05  
 Client ID: UT5544CS11  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	32	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	46		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-06  
 Client ID: UT5544CS12  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8270D  
 Analytical Date: 09/24/21 16:41  
 Analyst: IM  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	120	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	600		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	53	J	ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	170	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-06

Date Collected: 09/22/21 10:00

Client ID: UT5544CS12

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	300		ug/kg	120	22.	1
Benzo(a)pyrene	290		ug/kg	160	47.	1
Benzo(b)fluoranthene	390		ug/kg	120	33.	1
Benzo(k)fluoranthene	130		ug/kg	120	31.	1
Chrysene	320		ug/kg	120	20.	1
Acenaphthylene	35	J	ug/kg	160	30.	1
Anthracene	87	J	ug/kg	120	38.	1
Benzo(ghi)perylene	180		ug/kg	160	23.	1
Fluorene	100	J	ug/kg	190	19.	1
Phenanthrene	410		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	42	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	27.	1
Pyrene	500		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	86	J	ug/kg	190	18.	1
2-Methylnaphthalene	88	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-06  
 Client ID: UT5544CS12  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	43	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	43		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-07  
**Client ID:** UT5544CS13  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 09/24/21 17:04  
**Analyst:** IM  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	40	J	ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	580		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-07

Date Collected: 09/22/21 10:00

Client ID: UT5544CS13

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	320		ug/kg	120	22.	1
Benzo(a)pyrene	310		ug/kg	150	47.	1
Benzo(b)fluoranthene	420		ug/kg	120	32.	1
Benzo(k)fluoranthene	150		ug/kg	120	31.	1
Chrysene	310		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	91	J	ug/kg	120	38.	1
Benzo(ghi)perylene	180		ug/kg	150	23.	1
Fluorene	40	J	ug/kg	190	19.	1
Phenanthrene	340		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	150	27.	1
Pyrene	490		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	20	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-07

Date Collected: 09/22/21 10:00

Client ID: UT5544CS13

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	48	J	ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	48		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-08  
**Client ID:** UT5544CS14  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270D  
**Analytical Date:** 09/28/21 07:25  
**Analyst:** CMM  
**Percent Solids:** 77%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/27/21 15:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
Acenaphthene	53	J	ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	710		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	53	J	ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-08

Date Collected: 09/22/21 10:00

Client ID: UT5544CS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	400		ug/kg	130	24.	1
Benzo(a)pyrene	340		ug/kg	170	52.	1
Benzo(b)fluoranthene	490		ug/kg	130	36.	1
Benzo(k)fluoranthene	130		ug/kg	130	34.	1
Chrysene	370		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	110	J	ug/kg	130	42.	1
Benzo(ghi)perylene	220		ug/kg	170	25.	1
Fluorene	45	J	ug/kg	210	21.	1
Phenanthrene	440		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	52	J	ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	170	30.	1
Pyrene	620		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	31	J	ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1

**Project Name:** MARTIN ST. STOCKPILE**Lab Number:** L2151233**Project Number:** UT5544**Report Date:** 09/29/21**SAMPLE RESULTS**

Lab ID: L2151233-08

Date Collected: 09/22/21 10:00

Client ID: UT5544CS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	61	J	ug/kg	210	21.	1
1,4-Dioxane	ND		ug/kg	32	9.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	54		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	41		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/24/21 14:21  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1550233-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/24/21 14:21  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1550233-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/24/21 14:21  
Analyst: SLR

Extraction Method: EPA 3546  
Extraction Date: 09/24/21 02:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1550233-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	79		18-120

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8270D  
Analytical Date: 09/27/21 22:17  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 09/26/21 21:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1551012-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.
Hexachlorobenzene	ND		ug/kg	100	19.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	170	16.
1,2-Dichlorobenzene	ND		ug/kg	170	30.
1,3-Dichlorobenzene	ND		ug/kg	170	28.
1,4-Dichlorobenzene	ND		ug/kg	170	29.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	33.
2,6-Dinitrotoluene	ND		ug/kg	170	28.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	170	24.
Hexachlorocyclopentadiene	ND		ug/kg	480	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	170	20.
Nitrobenzene	ND		ug/kg	150	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/27/21 22:17  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 09/26/21 21:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1551012-1					
Dimethyl phthalate	ND		ug/kg	170	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D  
Analytical Date: 09/27/21 22:17  
Analyst: CMM

Extraction Method: EPA 3546  
Extraction Date: 09/26/21 21:40

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1551012-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	25.
2-Methylphenol	ND		ug/kg	170	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	170	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	92		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1550233-2 WG1550233-3								
Acenaphthene	75		66		31-137	13		50
1,2,4-Trichlorobenzene	73		60		38-107	20		50
Hexachlorobenzene	76		69		40-140	10		50
Bis(2-chloroethyl)ether	66		55		40-140	18		50
2-Chloronaphthalene	80		68		40-140	16		50
1,2-Dichlorobenzene	69		58		40-140	17		50
1,3-Dichlorobenzene	68		58		40-140	16		50
1,4-Dichlorobenzene	67		57		28-104	16		50
3,3'-Dichlorobenzidine	79		78		40-140	1		50
2,4-Dinitrotoluene	75		69		40-132	8		50
2,6-Dinitrotoluene	87		79		40-140	10		50
Fluoranthene	79		72		40-140	9		50
4-Chlorophenyl phenyl ether	78		70		40-140	11		50
4-Bromophenyl phenyl ether	80		71		40-140	12		50
Bis(2-chloroisopropyl)ether	87		77		40-140	12		50
Bis(2-chloroethoxy)methane	68		59		40-117	14		50
Hexachlorobutadiene	78		63		40-140	21		50
Hexachlorocyclopentadiene	50		40		40-140	22		50
Hexachloroethane	72		61		40-140	17		50
Isophorone	69		62		40-140	11		50
Naphthalene	76		64		40-140	17		50
Nitrobenzene	77		66		40-140	15		50
NDPA/DPA	82		74		36-157	10		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1550233-2 WG1550233-3								
n-Nitrosodi-n-propylamine	72		63		32-121	13		50
Bis(2-ethylhexyl)phthalate	104		96		40-140	8		50
Butyl benzyl phthalate	85		76		40-140	11		50
Di-n-butylphthalate	83		77		40-140	8		50
Di-n-octylphthalate	98		93		40-140	5		50
Diethyl phthalate	76		70		40-140	8		50
Dimethyl phthalate	75		68		40-140	10		50
Benzo(a)anthracene	81		76		40-140	6		50
Benzo(a)pyrene	80		75		40-140	6		50
Benzo(b)fluoranthene	78		74		40-140	5		50
Benzo(k)fluoranthene	77		74		40-140	4		50
Chrysene	78		72		40-140	8		50
Acenaphthylene	84		74		40-140	13		50
Anthracene	75		70		40-140	7		50
Benzo(ghi)perylene	77		71		40-140	8		50
Fluorene	81		73		40-140	10		50
Phenanthrene	75		68		40-140	10		50
Dibenzo(a,h)anthracene	74		70		40-140	6		50
Indeno(1,2,3-cd)pyrene	76		70		40-140	8		50
Pyrene	78		71		35-142	9		50
Biphenyl	77		66		37-127	15		50
4-Chloroaniline	58		56		40-140	4		50
2-Nitroaniline	89		78		47-134	13		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1550233-2 WG1550233-3								
3-Nitroaniline	75		70		26-129	7		50
4-Nitroaniline	74		70		41-125	6		50
Dibenzofuran	77		70		40-140	10		50
2-Methylnaphthalene	76		65		40-140	16		50
1,2,4,5-Tetrachlorobenzene	78		66		40-117	17		50
Acetophenone	66		57		14-144	15		50
2,4,6-Trichlorophenol	89		78		30-130	13		50
p-Chloro-m-cresol	88		78		26-103	12		50
2-Chlorophenol	76		65		25-102	16		50
2,4-Dichlorophenol	82		70		30-130	16		50
2,4-Dimethylphenol	76		68		30-130	11		50
2-Nitrophenol	88		74		30-130	17		50
4-Nitrophenol	74		68		11-114	8		50
2,4-Dinitrophenol	26		26		4-130	0		50
4,6-Dinitro-o-cresol	43		37		10-130	15		50
Pentachlorophenol	69		60		17-109	14		50
Phenol	71		62		26-90	14		50
2-Methylphenol	77		67		30-130.	14		50
3-Methylphenol/4-Methylphenol	74		65		30-130	13		50
2,4,5-Trichlorophenol	91		81		30-130	12		50
Benzoic Acid	14		15		10-110	7		50
Benzyl Alcohol	73		63		40-140	15		50
Carbazole	77		72		54-128	7		50



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1550233-2 WG1550233-3								
1,4-Dioxane	40		36	Q	40-140	11		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		65		25-120
Phenol-d6	77		65		10-120
Nitrobenzene-d5	75		67		23-120
2-Fluorobiphenyl	80		69		30-120
2,4,6-Tribromophenol	81		71		10-136
4-Terphenyl-d14	76		68		18-120

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1551012-2 WG1551012-3								
Acenaphthene	75		74		31-137	1		50
1,2,4-Trichlorobenzene	70		71		38-107	1		50
Hexachlorobenzene	75		75		40-140	0		50
Bis(2-chloroethyl)ether	68		67		40-140	1		50
2-Chloronaphthalene	76		75		40-140	1		50
1,2-Dichlorobenzene	66		66		40-140	0		50
1,3-Dichlorobenzene	65		62		40-140	5		50
1,4-Dichlorobenzene	66		65		28-104	2		50
3,3'-Dichlorobenzidine	64		63		40-140	2		50
2,4-Dinitrotoluene	94		93		40-132	1		50
2,6-Dinitrotoluene	85		86		40-140	1		50
Fluoranthene	84		82		40-140	2		50
4-Chlorophenyl phenyl ether	77		79		40-140	3		50
4-Bromophenyl phenyl ether	74		75		40-140	1		50
Bis(2-chloroisopropyl)ether	45		45		40-140	0		50
Bis(2-chloroethoxy)methane	72		70		40-117	3		50
Hexachlorobutadiene	72		71		40-140	1		50
Hexachlorocyclopentadiene	56		54		40-140	4		50
Hexachloroethane	73		72		40-140	1		50
Isophorone	77		76		40-140	1		50
Naphthalene	70		69		40-140	1		50
Nitrobenzene	79		78		40-140	1		50
NDPA/DPA	79		79		36-157	0		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1551012-2 WG1551012-3								
n-Nitrosodi-n-propylamine	75		74		32-121	1		50
Bis(2-ethylhexyl)phthalate	102		102		40-140	0		50
Butyl benzyl phthalate	93		93		40-140	0		50
Di-n-butylphthalate	96		95		40-140	1		50
Di-n-octylphthalate	104		104		40-140	0		50
Diethyl phthalate	89		90		40-140	1		50
Dimethyl phthalate	85		84		40-140	1		50
Benzo(a)anthracene	84		85		40-140	1		50
Benzo(a)pyrene	80		79		40-140	1		50
Benzo(b)fluoranthene	85		78		40-140	9		50
Benzo(k)fluoranthene	75		82		40-140	9		50
Chrysene	81		80		40-140	1		50
Acenaphthylene	78		78		40-140	0		50
Anthracene	80		80		40-140	0		50
Benzo(ghi)perylene	80		80		40-140	0		50
Fluorene	79		79		40-140	0		50
Phenanthrene	81		80		40-140	1		50
Dibenzo(a,h)anthracene	77		77		40-140	0		50
Indeno(1,2,3-cd)pyrene	81		80		40-140	1		50
Pyrene	82		82		35-142	0		50
Biphenyl	77		76		37-127	1		50
4-Chloroaniline	72		72		40-140	0		50
2-Nitroaniline	87		84		47-134	4		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1551012-2 WG1551012-3								
3-Nitroaniline	76		77		26-129	1		50
4-Nitroaniline	84		83		41-125	1		50
Dibenzofuran	80		80		40-140	0		50
2-Methylnaphthalene	74		71		40-140	4		50
1,2,4,5-Tetrachlorobenzene	76		75		40-117	1		50
Acetophenone	75		75		14-144	0		50
2,4,6-Trichlorophenol	82		79		30-130	4		50
p-Chloro-m-cresol	87		87		26-103	0		50
2-Chlorophenol	76		74		25-102	3		50
2,4-Dichlorophenol	81		79		30-130	3		50
2,4-Dimethylphenol	84		82		30-130	2		50
2-Nitrophenol	79		77		30-130	3		50
4-Nitrophenol	94		95		11-114	1		50
2,4-Dinitrophenol	87		89		4-130	2		50
4,6-Dinitro-o-cresol	92		93		10-130	1		50
Pentachlorophenol	80		80		17-109	0		50
Phenol	72		70		26-90	3		50
2-Methylphenol	77		76		30-130.	1		50
3-Methylphenol/4-Methylphenol	84		83		30-130	1		50
2,4,5-Trichlorophenol	89		86		30-130	3		50
Benzoic Acid	59		60		10-110	2		50
Benzyl Alcohol	80		80		40-140	0		50
Carbazole	82		81		54-128	1		50

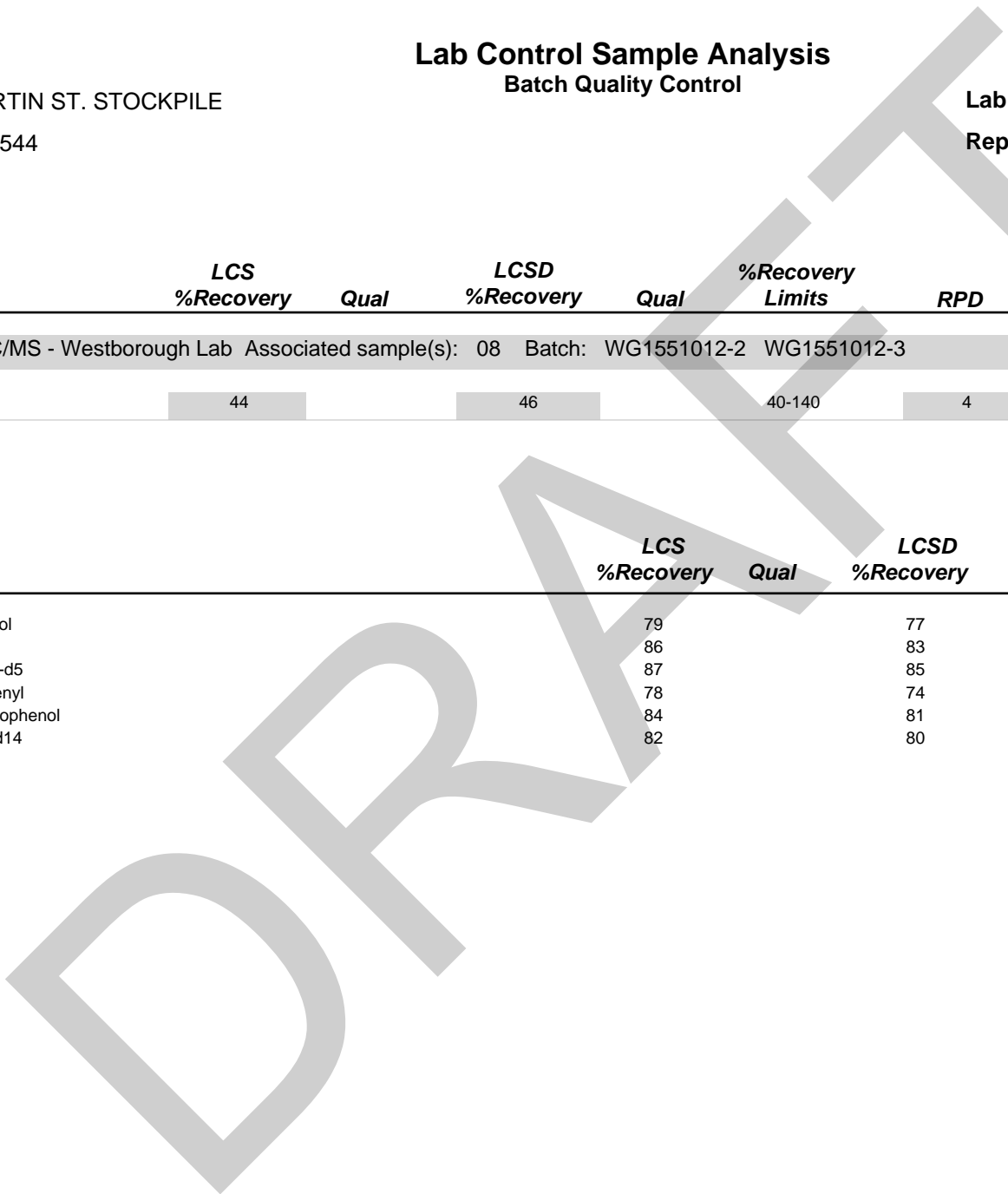
### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1551012-2 WG1551012-3								
1,4-Dioxane	44		46		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		77		25-120
Phenol-d6	86		83		10-120
Nitrobenzene-d5	87		85		23-120
2-Fluorobiphenyl	78		74		30-120
2,4,6-Tribromophenol	84		81		10-136
4-Terphenyl-d14	82		80		18-120



**PCBS**

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-01  
**Client ID:** UT5544CS07  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 15:38  
**Analyst:** CW  
**Percent Solids:** 79%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0411	0.00365	1	A
Aroclor 1221	ND		mg/kg	0.0411	0.00412	1	A
Aroclor 1232	ND		mg/kg	0.0411	0.00871	1	A
Aroclor 1242	ND		mg/kg	0.0411	0.00554	1	A
Aroclor 1248	ND		mg/kg	0.0411	0.00616	1	A
Aroclor 1254	ND		mg/kg	0.0411	0.00450	1	A
Aroclor 1260	ND		mg/kg	0.0411	0.00760	1	A
Aroclor 1262	ND		mg/kg	0.0411	0.00522	1	A
Aroclor 1268	ND		mg/kg	0.0411	0.00426	1	A
PCBs, Total	ND		mg/kg	0.0411	0.00365	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	86		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-02  
**Client ID:** UT5544CS08  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 15:47  
**Analyst:** CW  
**Percent Solids:** 74%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0448	0.00398	1	A
Aroclor 1221	ND		mg/kg	0.0448	0.00449	1	A
Aroclor 1232	ND		mg/kg	0.0448	0.00951	1	A
Aroclor 1242	ND		mg/kg	0.0448	0.00604	1	A
Aroclor 1248	ND		mg/kg	0.0448	0.00673	1	A
Aroclor 1254	ND		mg/kg	0.0448	0.00490	1	A
Aroclor 1260	0.00924	J	mg/kg	0.0448	0.00829	1	A
Aroclor 1262	ND		mg/kg	0.0448	0.00569	1	A
Aroclor 1268	ND		mg/kg	0.0448	0.00464	1	A
PCBs, Total	0.00924	J	mg/kg	0.0448	0.00398	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	82		30-150	B



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-03  
 Client ID: UT5544CS09  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/24/21 15:57  
 Analyst: CW  
 Percent Solids: 84%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 01:03  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/24/21  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0384	0.00341	1	A
Aroclor 1221	ND		mg/kg	0.0384	0.00385	1	A
Aroclor 1232	ND		mg/kg	0.0384	0.00814	1	A
Aroclor 1242	ND		mg/kg	0.0384	0.00518	1	A
Aroclor 1248	ND		mg/kg	0.0384	0.00576	1	A
Aroclor 1254	ND		mg/kg	0.0384	0.00420	1	A
Aroclor 1260	ND		mg/kg	0.0384	0.00710	1	A
Aroclor 1262	ND		mg/kg	0.0384	0.00488	1	A
Aroclor 1268	ND		mg/kg	0.0384	0.00398	1	A
PCBs, Total	ND		mg/kg	0.0384	0.00341	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	94		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-04  
**Client ID:** UT5544CS10  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 16:06  
**Analyst:** CW  
**Percent Solids:** 66%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0485	0.00431	1	A
Aroclor 1221	ND		mg/kg	0.0485	0.00486	1	A
Aroclor 1232	ND		mg/kg	0.0485	0.0103	1	A
Aroclor 1242	ND		mg/kg	0.0485	0.00654	1	A
Aroclor 1248	ND		mg/kg	0.0485	0.00728	1	A
Aroclor 1254	ND		mg/kg	0.0485	0.00531	1	A
Aroclor 1260	0.0104	JP	mg/kg	0.0485	0.00897	1	A
Aroclor 1262	ND		mg/kg	0.0485	0.00616	1	A
Aroclor 1268	ND		mg/kg	0.0485	0.00503	1	A
PCBs, Total	0.0104	J	mg/kg	0.0485	0.00431	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	75		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-05  
**Client ID:** UT5544CS11  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 16:15  
**Analyst:** CW  
**Percent Solids:** 85%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0380	0.00338	1	A
Aroclor 1221	ND		mg/kg	0.0380	0.00381	1	A
Aroclor 1232	ND		mg/kg	0.0380	0.00807	1	A
Aroclor 1242	ND		mg/kg	0.0380	0.00513	1	A
Aroclor 1248	ND		mg/kg	0.0380	0.00571	1	A
Aroclor 1254	ND		mg/kg	0.0380	0.00416	1	A
Aroclor 1260	0.0117	J	mg/kg	0.0380	0.00703	1	B
Aroclor 1262	ND		mg/kg	0.0380	0.00483	1	A
Aroclor 1268	ND		mg/kg	0.0380	0.00394	1	A
PCBs, Total	0.0117	J	mg/kg	0.0380	0.00338	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	81		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-06  
**Client ID:** UT5544CS12  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 16:25  
**Analyst:** CW  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0386	0.00342	1	A
Aroclor 1221	ND		mg/kg	0.0386	0.00386	1	A
Aroclor 1232	ND		mg/kg	0.0386	0.00818	1	A
Aroclor 1242	ND		mg/kg	0.0386	0.00520	1	A
Aroclor 1248	ND		mg/kg	0.0386	0.00578	1	A
Aroclor 1254	ND		mg/kg	0.0386	0.00422	1	A
Aroclor 1260	0.0116	J	mg/kg	0.0386	0.00713	1	B
Aroclor 1262	ND		mg/kg	0.0386	0.00490	1	A
Aroclor 1268	ND		mg/kg	0.0386	0.00400	1	A
PCBs, Total	0.0116	J	mg/kg	0.0386	0.00342	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	74		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-07  
 Client ID: UT5544CS13  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/24/21 16:34  
 Analyst: CW  
 Percent Solids: 86%

Extraction Method: EPA 3546  
 Extraction Date: 09/24/21 01:03  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/24/21  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0370	0.00329	1	A
Aroclor 1221	ND		mg/kg	0.0370	0.00371	1	A
Aroclor 1232	ND		mg/kg	0.0370	0.00786	1	A
Aroclor 1242	ND		mg/kg	0.0370	0.00500	1	A
Aroclor 1248	ND		mg/kg	0.0370	0.00556	1	A
Aroclor 1254	ND		mg/kg	0.0370	0.00405	1	A
Aroclor 1260	ND		mg/kg	0.0370	0.00685	1	A
Aroclor 1262	ND		mg/kg	0.0370	0.00471	1	A
Aroclor 1268	ND		mg/kg	0.0370	0.00384	1	A
PCBs, Total	ND		mg/kg	0.0370	0.00329	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	82		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-08  
**Client ID:** UT5544CS14  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8082A  
**Analytical Date:** 09/24/21 16:43  
**Analyst:** CW  
**Percent Solids:** 77%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/24/21 01:03  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/24/21  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		mg/kg	0.0419	0.00372	1	A
Aroclor 1221	ND		mg/kg	0.0419	0.00420	1	A
Aroclor 1232	ND		mg/kg	0.0419	0.00889	1	A
Aroclor 1242	ND		mg/kg	0.0419	0.00565	1	A
Aroclor 1248	ND		mg/kg	0.0419	0.00629	1	A
Aroclor 1254	ND		mg/kg	0.0419	0.00459	1	A
Aroclor 1260	0.00853	J	mg/kg	0.0419	0.00775	1	B
Aroclor 1262	ND		mg/kg	0.0419	0.00533	1	A
Aroclor 1268	ND		mg/kg	0.0419	0.00434	1	A
PCBs, Total	0.00853	J	mg/kg	0.0419	0.00372	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	72		30-150	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 09/24/21 15:10  
Analyst: CW

Extraction Method: EPA 3546  
Extraction Date: 09/24/21 01:03  
Cleanup Method: EPA 3665A  
Cleanup Date: 09/24/21  
Cleanup Method: EPA 3660B  
Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1550219-1						
Aroclor 1016	ND		mg/kg	0.0314	0.00278	A
Aroclor 1221	ND		mg/kg	0.0314	0.00314	A
Aroclor 1232	ND		mg/kg	0.0314	0.00665	A
Aroclor 1242	ND		mg/kg	0.0314	0.00423	A
Aroclor 1248	ND		mg/kg	0.0314	0.00470	A
Aroclor 1254	ND		mg/kg	0.0314	0.00343	A
Aroclor 1260	ND		mg/kg	0.0314	0.00580	A
Aroclor 1262	ND		mg/kg	0.0314	0.00398	A
Aroclor 1268	ND		mg/kg	0.0314	0.00325	A
PCBs, Total	ND		mg/kg	0.0314	0.00278	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	99		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1550219-2 WG1550219-3									
Aroclor 1016	92		96		40-140	4		50	A
Aroclor 1260	98		98		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		82		30-150	A
Decachlorobiphenyl	94		94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		88		30-150	B
Decachlorobiphenyl	99		103		30-150	B

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**PESTICIDES**

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-01  
 Client ID: UT5544CS07  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/24/21 15:49  
 Analyst: JAW  
 Percent Solids: 79%

Extraction Method: EPA 3546  
 Extraction Date: 09/23/21 23:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.820	0.367	1	A
Alpha-BHC	ND		ug/kg	0.820	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.747	1	A
Heptachlor	ND		ug/kg	0.984	0.441	1	A
Aldrin	ND		ug/kg	1.97	0.693	1	A
Heptachlor epoxide	ND		ug/kg	3.69	1.11	1	A
Endrin	ND		ug/kg	0.820	0.336	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.862	1	A
Endrin ketone	ND		ug/kg	1.97	0.507	1	A
Dieldrin	ND		ug/kg	1.23	0.615	1	A
4,4'-DDE	ND		ug/kg	1.97	0.455	1	A
4,4'-DDD	ND		ug/kg	1.97	0.702	1	A
4,4'-DDT	1.74	J	ug/kg	3.69	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.465	1	A
Endosulfan II	ND		ug/kg	1.97	0.658	1	A
Endosulfan sulfate	ND		ug/kg	0.820	0.390	1	A
Methoxychlor	ND		ug/kg	3.69	1.15	1	A
Toxaphene	ND		ug/kg	36.9	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.686	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.4	6.52	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-01  
 Client ID: UT5544CS07  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	77		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-02  
 Client ID: UT5544CS08  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/24/21 16:00  
 Analyst: JAW  
 Percent Solids: 74%

Extraction Method: EPA 3546  
 Extraction Date: 09/23/21 23:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.10	0.410	1	A
Lindane	ND		ug/kg	0.873	0.390	1	A
Alpha-BHC	ND		ug/kg	0.873	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.795	1	A
Heptachlor	ND		ug/kg	1.05	0.470	1	A
Aldrin	ND		ug/kg	2.10	0.738	1	A
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	A
Endrin	ND		ug/kg	0.873	0.358	1	A
Endrin aldehyde	ND		ug/kg	2.62	0.917	1	A
Endrin ketone	ND		ug/kg	2.10	0.540	1	A
Dieldrin	ND		ug/kg	1.31	0.655	1	A
4,4'-DDE	1.70	J	ug/kg	2.10	0.485	1	B
4,4'-DDD	ND		ug/kg	2.10	0.747	1	A
4,4'-DDT	5.23		ug/kg	3.93	1.68	1	B
Endosulfan I	ND		ug/kg	2.10	0.495	1	A
Endosulfan II	ND		ug/kg	2.10	0.700	1	A
Endosulfan sulfate	ND		ug/kg	0.873	0.416	1	A
Methoxychlor	ND		ug/kg	3.93	1.22	1	A
Toxaphene	ND		ug/kg	39.3	11.0	1	A
cis-Chlordane	ND		ug/kg	2.62	0.730	1	A
trans-Chlordane	ND		ug/kg	2.62	0.692	1	A
Chlordane	ND		ug/kg	17.5	6.94	1	A

**Project Name:** MARTIN ST. STOCKPILE

**Lab Number:** L2151233

**Project Number:** UT5544

**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-02

Date Collected: 09/22/21 10:00

Client ID: UT5544CS08

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	107		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-03  
**Client ID:** UT5544CS09  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 09/24/21 16:11  
**Analyst:** JAW  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/23/21 23:13  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.787	0.352	1	A
Alpha-BHC	ND		ug/kg	0.787	0.223	1	A
Beta-BHC	ND		ug/kg	1.89	0.716	1	A
Heptachlor	ND		ug/kg	0.944	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.665	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.787	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.826	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	ND		ug/kg	1.18	0.590	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.673	1	A
4,4'-DDT	1.84	J	ug/kg	3.54	1.52	1	B
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.631	1	A
Endosulfan sulfate	ND		ug/kg	0.787	0.374	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.91	1	A
cis-Chlordane	ND		ug/kg	2.36	0.658	1	A
trans-Chlordane	ND		ug/kg	2.36	0.623	1	A
Chlordane	ND		ug/kg	15.7	6.25	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-03  
 Client ID: UT5544CS09  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	99		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-04  
 Client ID: UT5544CS10  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/24/21 16:21  
 Analyst: JAW  
 Percent Solids: 66%

Extraction Method: EPA 3546  
 Extraction Date: 09/23/21 23:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.32	0.453	1	A
Lindane	ND		ug/kg	0.965	0.431	1	A
Alpha-BHC	ND		ug/kg	0.965	0.274	1	A
Beta-BHC	ND		ug/kg	2.32	0.878	1	A
Heptachlor	ND		ug/kg	1.16	0.519	1	A
Aldrin	ND		ug/kg	2.32	0.815	1	A
Heptachlor epoxide	ND		ug/kg	4.34	1.30	1	A
Endrin	ND		ug/kg	0.965	0.396	1	A
Endrin aldehyde	ND		ug/kg	2.89	1.01	1	A
Endrin ketone	ND		ug/kg	2.32	0.596	1	A
Dieldrin	ND		ug/kg	1.45	0.724	1	A
4,4'-DDE	ND		ug/kg	2.32	0.535	1	A
4,4'-DDD	ND		ug/kg	2.32	0.826	1	A
4,4'-DDT	2.19	J	ug/kg	4.34	1.86	1	B
Endosulfan I	ND		ug/kg	2.32	0.547	1	A
Endosulfan II	ND		ug/kg	2.32	0.774	1	A
Endosulfan sulfate	ND		ug/kg	0.965	0.459	1	A
Methoxychlor	ND		ug/kg	4.34	1.35	1	A
Toxaphene	ND		ug/kg	43.4	12.2	1	A
cis-Chlordane	ND		ug/kg	2.89	0.806	1	A
trans-Chlordane	ND		ug/kg	2.89	0.764	1	A
Chlordane	ND		ug/kg	19.3	7.67	1	A



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-04  
 Client ID: UT5544CS10  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	104		30-150	B

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**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-05  
 Client ID: UT5544CS11  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/24/21 16:32  
 Analyst: JAW  
 Percent Solids: 85%

Extraction Method: EPA 3546  
 Extraction Date: 09/23/21 23:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.896	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.631	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.784	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	3.24		ug/kg	1.79	0.414	1	A
4,4'-DDD	1.60	J	ug/kg	1.79	0.639	1	A
4,4'-DDT	6.69		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.41	1	A
cis-Chlordane	1.72	J	ug/kg	2.24	0.624	1	B
trans-Chlordane	1.02	JP	ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.9	5.94	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-05  
 Client ID: UT5544CS11  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	119		30-150	B

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-06  
**Client ID:** UT5544CS12  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 09/24/21 16:44  
**Analyst:** JAW  
**Percent Solids:** 84%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/23/21 23:13  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.90	0.373	1	B
Lindane	ND		ug/kg	0.793	0.354	1	B
Alpha-BHC	ND		ug/kg	0.793	0.225	1	B
Beta-BHC	ND		ug/kg	1.90	0.722	1	B
Heptachlor	ND		ug/kg	0.951	0.426	1	B
Aldrin	ND		ug/kg	1.90	0.670	1	B
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	B
Endrin	ND		ug/kg	0.793	0.325	1	B
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	B
Endrin ketone	ND		ug/kg	1.90	0.490	1	B
Dieldrin	ND		ug/kg	1.19	0.595	1	B
4,4'-DDE	ND		ug/kg	1.90	0.440	1	B
4,4'-DDD	ND		ug/kg	1.90	0.679	1	B
4,4'-DDT	2.89	JP	ug/kg	3.57	1.53	1	B
Endosulfan I	ND		ug/kg	1.90	0.450	1	B
Endosulfan II	ND		ug/kg	1.90	0.636	1	B
Endosulfan sulfate	ND		ug/kg	0.793	0.377	1	B
Methoxychlor	ND		ug/kg	3.57	1.11	1	B
Toxaphene	ND		ug/kg	35.7	9.99	1	B
cis-Chlordane	ND		ug/kg	2.38	0.663	1	B
trans-Chlordane	ND		ug/kg	2.38	0.628	1	B
Chlordane	ND		ug/kg	15.8	6.30	1	B

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-06  
 Client ID: UT5544CS12  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	29	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	125		30-150	B

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-07  
**Client ID:** UT5544CS13  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8081B  
**Analytical Date:** 09/24/21 16:55  
**Analyst:** JAW  
**Percent Solids:** 86%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/23/21 23:13  
**Cleanup Method:** EPA 3620B  
**Cleanup Date:** 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.761	0.340	1	A
Alpha-BHC	ND		ug/kg	0.761	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.692	1	A
Heptachlor	ND		ug/kg	0.913	0.409	1	A
Aldrin	ND		ug/kg	1.83	0.643	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.761	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.799	1	A
Endrin ketone	ND		ug/kg	1.83	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.571	1	A
4,4'-DDE	ND		ug/kg	1.83	0.422	1	A
4,4'-DDD	ND		ug/kg	1.83	0.651	1	A
4,4'-DDT	2.29	J	ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.431	1	A
Endosulfan II	ND		ug/kg	1.83	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.761	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.59	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.603	1	A
Chlordane	ND		ug/kg	15.2	6.05	1	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-07  
 Client ID: UT5544CS13  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	88		30-150	B

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-08  
 Client ID: UT5544CS14  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/24/21 17:06  
 Analyst: JAW  
 Percent Solids: 77%

Extraction Method: EPA 3546  
 Extraction Date: 09/23/21 23:13  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Organochlorine Pesticides by GC - Westborough Lab</b>							
Delta-BHC	ND		ug/kg	2.04	0.400	1	A
Lindane	ND		ug/kg	0.852	0.381	1	A
Alpha-BHC	ND		ug/kg	0.852	0.242	1	A
Beta-BHC	ND		ug/kg	2.04	0.775	1	A
Heptachlor	ND		ug/kg	1.02	0.458	1	A
Aldrin	ND		ug/kg	2.04	0.720	1	A
Heptachlor epoxide	ND		ug/kg	3.83	1.15	1	A
Endrin	ND		ug/kg	0.852	0.349	1	A
Endrin aldehyde	ND		ug/kg	2.56	0.895	1	A
Endrin ketone	ND		ug/kg	2.04	0.527	1	A
Dieldrin	ND		ug/kg	1.28	0.639	1	A
4,4'-DDE	ND		ug/kg	2.04	0.473	1	A
4,4'-DDD	ND		ug/kg	2.04	0.729	1	A
4,4'-DDT	4.39		ug/kg	3.83	1.64	1	B
Endosulfan I	ND		ug/kg	2.04	0.483	1	A
Endosulfan II	ND		ug/kg	2.04	0.683	1	A
Endosulfan sulfate	ND		ug/kg	0.852	0.406	1	A
Methoxychlor	ND		ug/kg	3.83	1.19	1	A
Toxaphene	ND		ug/kg	38.3	10.7	1	A
cis-Chlordane	ND		ug/kg	2.56	0.712	1	A
trans-Chlordane	ND		ug/kg	2.56	0.675	1	A
Chlordane	ND		ug/kg	17.0	6.77	1	A



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

Lab ID: L2151233-08  
 Client ID: UT5544CS14  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	128		30-150	B

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B  
Analytical Date: 09/24/21 14:43  
Analyst: AR

Extraction Method: EPA 3546  
Extraction Date: 09/23/21 23:13  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1550201-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.656	0.293	A
Alpha-BHC	ND		ug/kg	0.656	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.597	A
Heptachlor	ND		ug/kg	0.787	0.353	A
Aldrin	ND		ug/kg	1.57	0.554	A
Heptachlor epoxide	ND		ug/kg	2.95	0.885	A
Endrin	ND		ug/kg	0.656	0.269	A
Endrin aldehyde	ND		ug/kg	1.97	0.688	A
Endrin ketone	ND		ug/kg	1.57	0.405	A
Dieldrin	ND		ug/kg	0.984	0.492	A
4,4'-DDE	ND		ug/kg	1.57	0.364	A
4,4'-DDD	ND		ug/kg	1.57	0.561	A
4,4'-DDT	ND		ug/kg	2.95	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.372	A
Endosulfan II	ND		ug/kg	1.57	0.526	A
Endosulfan sulfate	ND		ug/kg	0.656	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.918	A
Toxaphene	ND		ug/kg	29.5	8.26	A
cis-Chlordane	ND		ug/kg	1.97	0.548	A
trans-Chlordane	ND		ug/kg	1.97	0.519	A
Chlordane	ND		ug/kg	13.1	5.21	A

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Analytical Method: 1,8081B  
Analytical Date: 09/24/21 14:43  
Analyst: AR

Extraction Method: EPA 3546  
Extraction Date: 09/23/21 23:13  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/24/21

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1550201-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	94		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1550201-2 WG1550201-3									
Delta-BHC	73		73		30-150	0		30	A
Lindane	75		74		30-150	1		30	A
Alpha-BHC	76		75		30-150	1		30	A
Beta-BHC	71		70		30-150	1		30	A
Heptachlor	75		74		30-150	1		30	A
Aldrin	73		72		30-150	1		30	A
Heptachlor epoxide	72		71		30-150	1		30	A
Endrin	80		74		30-150	8		30	A
Endrin aldehyde	62		57		30-150	8		30	A
Endrin ketone	62		71		30-150	14		30	A
Dieldrin	81		72		30-150	12		30	A
4,4'-DDE	70		66		30-150	6		30	A
4,4'-DDD	80		72		30-150	11		30	A
4,4'-DDT	82		75		30-150	9		30	A
Endosulfan I	70		64		30-150	9		30	A
Endosulfan II	78		72		30-150	8		30	A
Endosulfan sulfate	70		60		30-150	15		30	A
Methoxychlor	77		71		30-150	8		30	A
cis-Chlordane	61		58		30-150	5		30	A
trans-Chlordane	74		72		30-150	3		30	A

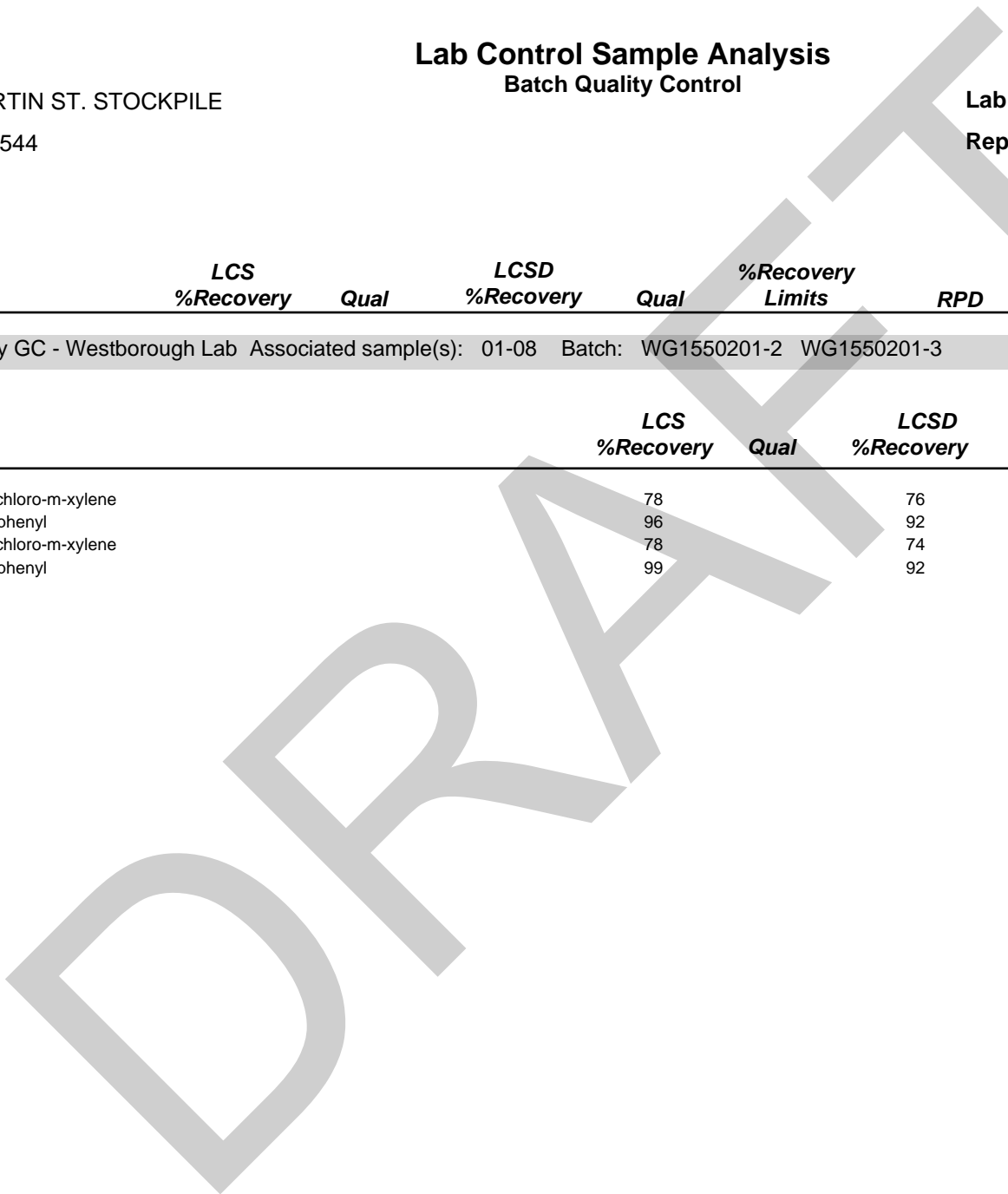
### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1550201-2 WG1550201-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	A
Decachlorobiphenyl	96		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		74		30-150	B
Decachlorobiphenyl	99		92		30-150	B



**DRAFT**

**METALS**



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-01  
 Client ID: UT5544CS07  
 Sample Location: ROME, NY

Date Collected: 09/22/21 10:00  
 Date Received: 09/22/21  
 Field Prep: Not Specified

Sample Depth:  
 Matrix: Soil  
 Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5240		mg/kg	9.68	2.61	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Antimony, Total	0.542	J	mg/kg	4.84	0.368	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Arsenic, Total	4.36		mg/kg	0.968	0.201	2	09/24/21 05:55	09/27/21 18:23	EPA 3050B	1,6010D	DL
Barium, Total	43.1		mg/kg	0.968	0.168	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Beryllium, Total	0.300	J	mg/kg	0.484	0.032	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.968	0.095	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Calcium, Total	13500		mg/kg	9.68	3.39	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Chromium, Total	9.55		mg/kg	0.968	0.093	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Cobalt, Total	5.74		mg/kg	1.94	0.161	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Copper, Total	63.0		mg/kg	0.968	0.250	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Iron, Total	16200		mg/kg	4.84	0.874	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Lead, Total	40.3		mg/kg	4.84	0.259	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Magnesium, Total	4760		mg/kg	9.68	1.49	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Manganese, Total	453		mg/kg	0.968	0.154	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Mercury, Total	0.065	J	mg/kg	0.080	0.052	1	09/24/21 09:50	09/25/21 16:46	EPA 7471B	1,7471B	NB
Nickel, Total	12.6		mg/kg	2.42	0.234	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Potassium, Total	360		mg/kg	242	13.9	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Selenium, Total	0.755	J	mg/kg	1.94	0.250	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.968	0.274	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Sodium, Total	387		mg/kg	194	3.05	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.94	0.305	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Vanadium, Total	12.7		mg/kg	0.968	0.196	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL
Zinc, Total	73.9		mg/kg	4.84	0.284	2	09/24/21 05:55	09/26/21 15:51	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-02

Date Collected: 09/22/21 10:00

Client ID: UT5544CS08

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	6400		mg/kg	10.5	2.84	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Antimony, Total	0.874	J	mg/kg	5.27	0.400	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Arsenic, Total	5.11		mg/kg	1.05	0.219	2	09/24/21 05:55	09/27/21 18:27	EPA 3050B	1,6010D	DL
Barium, Total	46.8		mg/kg	1.05	0.183	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Beryllium, Total	0.369	J	mg/kg	0.527	0.035	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	1.05	0.103	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Calcium, Total	13400		mg/kg	10.5	3.69	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Chromium, Total	10.2		mg/kg	1.05	0.101	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Cobalt, Total	6.61		mg/kg	2.11	0.175	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Copper, Total	91.2		mg/kg	1.05	0.272	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Iron, Total	20000		mg/kg	5.27	0.951	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Lead, Total	70.8		mg/kg	5.27	0.282	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Magnesium, Total	5480		mg/kg	10.5	1.62	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Manganese, Total	590		mg/kg	1.05	0.167	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.087	0.057	1	09/24/21 09:50	09/25/21 16:49	EPA 7471B	1,7471B	NB
Nickel, Total	14.6		mg/kg	2.63	0.255	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Potassium, Total	501		mg/kg	263	15.2	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Selenium, Total	0.811	J	mg/kg	2.11	0.272	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	1.05	0.298	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Sodium, Total	117	J	mg/kg	211	3.32	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.11	0.332	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Vanadium, Total	16.8		mg/kg	1.05	0.214	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL
Zinc, Total	76.5		mg/kg	5.27	0.309	2	09/24/21 05:55	09/26/21 16:31	EPA 3050B	1,6010D	DL



Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-03

Date Collected: 09/22/21 10:00

Client ID: UT5544CS09

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5740		mg/kg	9.34	2.52	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Antimony, Total	0.504	J	mg/kg	4.67	0.355	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Arsenic, Total	4.11		mg/kg	0.934	0.194	2	09/24/21 05:55	09/27/21 18:32	EPA 3050B	1,6010D	DL
Barium, Total	37.8		mg/kg	0.934	0.162	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Beryllium, Total	0.327	J	mg/kg	0.467	0.031	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Cadmium, Total	0.224	J	mg/kg	0.934	0.092	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Calcium, Total	17600		mg/kg	9.34	3.27	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Chromium, Total	10.2		mg/kg	0.934	0.090	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Cobalt, Total	5.56		mg/kg	1.87	0.155	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Copper, Total	368		mg/kg	0.934	0.241	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Iron, Total	16200		mg/kg	4.67	0.843	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Lead, Total	59.1		mg/kg	4.67	0.250	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Magnesium, Total	4380		mg/kg	9.34	1.44	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Manganese, Total	298		mg/kg	0.934	0.148	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Mercury, Total	0.085		mg/kg	0.075	0.049	1	09/24/21 09:50	09/25/21 16:52	EPA 7471B	1,7471B	NB
Nickel, Total	13.7		mg/kg	2.34	0.226	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Potassium, Total	423		mg/kg	234	13.4	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Selenium, Total	0.757	J	mg/kg	1.87	0.241	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.934	0.264	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Sodium, Total	100	J	mg/kg	187	2.94	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.87	0.294	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Vanadium, Total	13.3		mg/kg	0.934	0.190	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL
Zinc, Total	125		mg/kg	4.67	0.274	2	09/24/21 05:55	09/26/21 16:35	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-04

Date Collected: 09/22/21 10:00

Client ID: UT5544CS10

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 66%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	9080		mg/kg	11.5	3.12	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Antimony, Total	0.600	J	mg/kg	5.77	0.438	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Arsenic, Total	5.64		mg/kg	1.15	0.240	2	09/24/21 05:55	09/27/21 18:36	EPA 3050B	1,6010D	DL
Barium, Total	71.0		mg/kg	1.15	0.201	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Beryllium, Total	0.623		mg/kg	0.577	0.038	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	1.15	0.113	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Calcium, Total	4250		mg/kg	11.5	4.04	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Chromium, Total	14.5		mg/kg	1.15	0.111	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Cobalt, Total	8.48		mg/kg	2.31	0.192	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Copper, Total	50.9		mg/kg	1.15	0.298	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Iron, Total	23800		mg/kg	5.77	1.04	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Lead, Total	46.0		mg/kg	5.77	0.309	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Magnesium, Total	2820		mg/kg	11.5	1.78	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Manganese, Total	550		mg/kg	1.15	0.183	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Mercury, Total	0.146		mg/kg	0.096	0.062	1	09/24/21 09:50	09/25/21 17:02	EPA 7471B	1,7471B	NB
Nickel, Total	16.0		mg/kg	2.88	0.279	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Potassium, Total	635		mg/kg	288	16.6	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Selenium, Total	1.51	J	mg/kg	2.31	0.298	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	1.15	0.326	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Sodium, Total	202	J	mg/kg	231	3.63	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.31	0.363	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Vanadium, Total	20.3		mg/kg	1.15	0.234	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL
Zinc, Total	119		mg/kg	5.77	0.338	2	09/24/21 05:55	09/26/21 16:40	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-05

Date Collected: 09/22/21 10:00

Client ID: UT5544CS11

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5440		mg/kg	9.23	2.49	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.61	0.351	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Arsenic, Total	4.34		mg/kg	0.923	0.192	2	09/24/21 05:55	09/27/21 18:41	EPA 3050B	1,6010D	DL
Barium, Total	49.5		mg/kg	0.923	0.160	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Beryllium, Total	0.323	J	mg/kg	0.461	0.030	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.923	0.090	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Calcium, Total	43200		mg/kg	9.23	3.23	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Chromium, Total	9.89		mg/kg	0.923	0.089	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Cobalt, Total	5.30		mg/kg	1.84	0.153	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Copper, Total	28.9		mg/kg	0.923	0.238	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Iron, Total	14300		mg/kg	4.61	0.833	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Lead, Total	48.0		mg/kg	4.61	0.247	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Magnesium, Total	6020		mg/kg	9.23	1.42	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Manganese, Total	414		mg/kg	0.923	0.147	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Mercury, Total	0.101		mg/kg	0.075	0.049	1	09/24/21 09:50	09/25/21 17:05	EPA 7471B	1,7471B	NB
Nickel, Total	11.9		mg/kg	2.31	0.223	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Potassium, Total	636		mg/kg	231	13.3	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Selenium, Total	0.535	J	mg/kg	1.84	0.238	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.923	0.261	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Sodium, Total	144	J	mg/kg	184	2.91	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.84	0.291	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Vanadium, Total	13.5		mg/kg	0.923	0.187	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL
Zinc, Total	137		mg/kg	4.61	0.270	2	09/24/21 05:55	09/26/21 16:44	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-06

Date Collected: 09/22/21 10:00

Client ID: UT5544CS12

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3320		mg/kg	9.18	2.48	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Antimony, Total	0.569	J	mg/kg	4.59	0.349	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Arsenic, Total	5.65		mg/kg	0.918	0.191	2	09/24/21 05:55	09/27/21 18:45	EPA 3050B	1,6010D	DL
Barium, Total	66.0		mg/kg	0.918	0.160	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Beryllium, Total	0.229	J	mg/kg	0.459	0.030	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.918	0.090	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Calcium, Total	162000		mg/kg	91.8	32.1	20	09/24/21 05:55	09/27/21 18:50	EPA 3050B	1,6010D	DL
Chromium, Total	8.69		mg/kg	0.918	0.088	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Cobalt, Total	3.37		mg/kg	1.84	0.152	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Copper, Total	49.1		mg/kg	0.918	0.237	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Iron, Total	10800		mg/kg	4.59	0.829	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Lead, Total	212		mg/kg	4.59	0.246	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Magnesium, Total	5190		mg/kg	9.18	1.41	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Manganese, Total	282		mg/kg	0.918	0.146	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Mercury, Total	0.648		mg/kg	0.076	0.050	1	09/24/21 09:50	09/25/21 17:09	EPA 7471B	1,7471B	NB
Nickel, Total	7.82		mg/kg	2.29	0.222	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Potassium, Total	383		mg/kg	229	13.2	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Selenium, Total	0.698	J	mg/kg	1.84	0.237	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.918	0.260	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Sodium, Total	192		mg/kg	184	2.89	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.84	0.289	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Vanadium, Total	13.4		mg/kg	0.918	0.186	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL
Zinc, Total	101		mg/kg	4.59	0.269	2	09/24/21 05:55	09/26/21 16:49	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-07

Date Collected: 09/22/21 10:00

Client ID: UT5544CS13

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3390		mg/kg	9.06	2.44	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Antimony, Total	1.24	J	mg/kg	4.53	0.344	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Arsenic, Total	10.8		mg/kg	0.906	0.188	2	09/24/21 05:55	09/27/21 18:55	EPA 3050B	1,6010D	DL
Barium, Total	119		mg/kg	0.906	0.158	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Beryllium, Total	0.217	J	mg/kg	0.453	0.030	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.906	0.089	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Calcium, Total	122000		mg/kg	90.6	31.7	20	09/24/21 05:55	09/27/21 19:17	EPA 3050B	1,6010D	DL
Chromium, Total	8.58		mg/kg	0.906	0.087	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Cobalt, Total	5.01		mg/kg	1.81	0.150	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Copper, Total	85.9		mg/kg	0.906	0.234	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Iron, Total	20700		mg/kg	4.53	0.818	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Lead, Total	360		mg/kg	4.53	0.243	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Magnesium, Total	2660		mg/kg	9.06	1.39	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Manganese, Total	324		mg/kg	0.906	0.144	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Mercury, Total	7.42		mg/kg	0.372	0.242	5	09/24/21 09:50	09/25/21 17:39	EPA 7471B	1,7471B	NB
Nickel, Total	10.4		mg/kg	2.26	0.219	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Potassium, Total	394		mg/kg	226	13.0	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Selenium, Total	1.05	J	mg/kg	1.81	0.234	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.906	0.256	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Sodium, Total	604		mg/kg	181	2.85	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.81	0.285	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Vanadium, Total	12.2		mg/kg	0.906	0.184	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL
Zinc, Total	193		mg/kg	4.53	0.265	2	09/24/21 05:55	09/26/21 16:54	EPA 3050B	1,6010D	DL

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-08

Date Collected: 09/22/21 10:00

Client ID: UT5544CS14

Date Received: 09/22/21

Sample Location: ROME, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	5100		mg/kg	9.95	2.69	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Antimony, Total	1.00	J	mg/kg	4.98	0.378	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Arsenic, Total	8.39		mg/kg	0.995	0.207	2	09/24/21 05:55	09/27/21 19:22	EPA 3050B	1,6010D	DL
Barium, Total	87.3		mg/kg	0.995	0.173	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Beryllium, Total	0.299	J	mg/kg	0.498	0.033	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.995	0.098	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Calcium, Total	76500		mg/kg	9.95	3.48	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Chromium, Total	10.2		mg/kg	0.995	0.096	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Cobalt, Total	4.85		mg/kg	1.99	0.165	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Copper, Total	124		mg/kg	0.995	0.257	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Iron, Total	15800		mg/kg	4.98	0.899	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Lead, Total	202		mg/kg	4.98	0.267	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Magnesium, Total	4250		mg/kg	9.95	1.53	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Manganese, Total	395		mg/kg	0.995	0.158	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Mercury, Total	0.303		mg/kg	0.082	0.053	1	09/24/21 09:50	09/25/21 17:18	EPA 7471B	1,7471B	NB
Nickel, Total	11.1		mg/kg	2.49	0.241	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Potassium, Total	528		mg/kg	249	14.3	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Selenium, Total	1.13	J	mg/kg	1.99	0.257	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.995	0.282	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Sodium, Total	301		mg/kg	199	3.14	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.99	0.314	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Vanadium, Total	16.2		mg/kg	0.995	0.202	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL
Zinc, Total	148		mg/kg	4.98	0.292	2	09/24/21 05:55	09/26/21 16:58	EPA 3050B	1,6010D	DL

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1550134-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/24/21 05:55	09/27/21 17:19	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Chromium, Total	0.068	J	mg/kg	0.400	0.038	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Iron, Total	0.488	J	mg/kg	2.00	0.361	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Sodium, Total	3.05	J	mg/kg	80.0	1.26	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/24/21 05:55	09/26/21 15:32	1,6010D	DL

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1550135-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/24/21 09:50	09/25/21 16:03	1,7471B	NB

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

## Method Blank Analysis Batch Quality Control

### Prep Information

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Digestion Method: EPA 7471B

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## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE

**Lab Number:** L2151233

**Project Number:** UT5544

**Report Date:** 09/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1550134-2 SRM Lot Number: D109-540								
Aluminum, Total	62		-		50-150	-		
Antimony, Total	120		-		19-250	-		
Arsenic, Total	97		-		70-130	-		
Barium, Total	92		-		75-125	-		
Beryllium, Total	89		-		75-125	-		
Cadmium, Total	90		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	92		-		75-125	-		
Copper, Total	95		-		75-125	-		
Iron, Total	96		-		35-165	-		
Lead, Total	89		-		72-128	-		
Magnesium, Total	78		-		62-138	-		
Manganese, Total	93		-		74-126	-		
Nickel, Total	90		-		70-130	-		
Potassium, Total	78		-		59-141	-		
Selenium, Total	92		-		68-132	-		
Silver, Total	95		-		68-131	-		
Sodium, Total	94		-		35-165	-		
Thallium, Total	93		-		68-131	-		
Vanadium, Total	98		-		59-141	-		

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE

**Project Number:** UT5544

**Lab Number:** L2151233

**Report Date:** 09/29/21

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1550134-2 SRM Lot Number: D109-540					
Zinc, Total	90	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1550135-2 SRM Lot Number: D109-540					
Mercury, Total	87	-	60-140	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1550134-3 WG1550134-4 QC Sample: L2151232-03 Client ID: MS Sample												
Aluminum, Total	4600	177	5300	395	Q	6030	806	Q	75-125	13		20
Antimony, Total	ND	44.2	35.5	80		35.2	79		75-125	1		20
Arsenic, Total	4.18	10.6	14.9	101		14.2	94		75-125	5		20
Barium, Total	110	177	319	118		322	119		75-125	1		20
Beryllium, Total	0.258J	4.42	4.06	92		4.09	92		75-125	1		20
Cadmium, Total	ND	4.69	4.79	102		4.06	86		75-125	16		20
Calcium, Total	19000	885	23800	542	Q	21700	304	Q	75-125	9		20
Chromium, Total	13.0	17.7	30.6	99		33.8	117		75-125	10		20
Cobalt, Total	5.07	44.2	42.7	85		42.3	84		75-125	1		20
Copper, Total	40.9	22.1	94.1	240	Q	116	338	Q	75-125	21	Q	20
Iron, Total	12300	88.5	15800	3950	Q	14700	2700	Q	75-125	7		20
Lead, Total	150	46.9	268	252	Q	334	391	Q	75-125	22	Q	20
Magnesium, Total	4350	885	5840	168	Q	5470	126	Q	75-125	7		20
Manganese, Total	218	44.2	252	77		290	162	Q	75-125	14		20
Nickel, Total	11.5	44.2	47.8	82		46.3	78		75-125	3		20
Potassium, Total	794	885	1940	129	Q	1860	120		75-125	4		20
Selenium, Total	0.640J	10.6	9.29	87		8.95	84		75-125	4		20
Silver, Total	ND	26.6	26.1	98		26.3	99		75-125	1		20
Sodium, Total	208	885	1240	116		1090	99		75-125	13		20
Thallium, Total	ND	10.6	7.26	68	Q	7.38	69	Q	75-125	2		20
Vanadium, Total	16.8	44.2	61.3	100		63.2	104		75-125	3		20

### Matrix Spike Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE

**Lab Number:** L2151233

**Project Number:** UT5544

**Report Date:** 09/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1550134-3 WG1550134-4 QC Sample: L2151232-03 Client ID: MS Sample									
Zinc, Total	166	44.2	314	334	Q	241	169	Q	75-125 26 Q 20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1550135-3 WG1550135-4 QC Sample: L2151232-03 Client ID: MS Sample									
Mercury, Total	0.576	0.144	0.853	192	Q	0.694	82	Q	80-120 21 Q 20

**INORGANICS  
&  
MISCELLANEOUS**

DRAFT

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-01  
**Client ID:** UT5544CS07  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	79.4		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/29/21 11:00	09/29/21 14:02	1,9010C/9012B	CR
pH (H)	8.3		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-02  
**Client ID:** UT5544CS08  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	73.6		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	09/29/21 11:00	09/29/21 14:03	1,9010C/9012B	CR
pH (H)	7.8		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-03  
**Client ID:** UT5544CS09  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.9		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	09/29/21 11:00	09/29/21 14:04	1,9010C/9012B	CR
pH (H)	8.1		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-04  
**Client ID:** UT5544CS10  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	65.6		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.30	1	09/29/21 11:00	09/29/21 14:05	1,9010C/9012B	CR
pH (H)	7.4		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-05  
**Client ID:** UT5544CS11  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	85.0		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/29/21 11:00	09/29/21 14:06	1,9010C/9012B	CR
pH (H)	8.0		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-06  
**Client ID:** UT5544CS12  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	83.8		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	09/29/21 11:00	09/29/21 14:07	1,9010C/9012B	CR
pH (H)	8.0		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-07  
**Client ID:** UT5544CS13  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	86.0		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	09/29/21 11:00	09/29/21 14:10	1,9010C/9012B	CR
pH (H)	7.9		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-08  
**Client ID:** UT5544CS14  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	77.1		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	09/29/21 11:00	09/29/21 14:11	1,9010C/9012B	CR
pH (H)	8.4		SU	-	NA	1	-	09/24/21 19:58	1,9045D	AS

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-09  
**Client ID:** UT5544GS07  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.8		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

DRAFT



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-10  
**Client ID:** UT5544GS08  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	80.0		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

DRAFT



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-11  
**Client ID:** UT5544GS09  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-12  
**Client ID:** UT5544GS10  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	65.2		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-13  
**Client ID:** UT5544GS11  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	84.2		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

DRAFT



Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-14

Client ID: UT5544GS12

Sample Location: ROME, NY

Date Collected: 09/22/21 10:00

Date Received: 09/22/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

**SAMPLE RESULTS**

**Lab ID:** L2151233-15  
**Client ID:** UT5544GS13  
**Sample Location:** ROME, NY

**Date Collected:** 09/22/21 10:00  
**Date Received:** 09/22/21  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.1		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

## SAMPLE RESULTS

Lab ID: L2151233-16

Client ID: UT5544GS14

Sample Location: ROME, NY

Date Collected: 09/22/21 10:00

Date Received: 09/22/21

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	09/24/21 07:34	121,2540G	RI

Project Name: MARTIN ST. STOCKPILE

Lab Number: L2151233

Project Number: UT5544

Report Date: 09/29/21

**Method Blank Analysis**  
**Batch Quality Control**

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-08 Batch: WG1552232-1									
Cyanide, Total	ND	mg/kg	0.98	0.21	1	09/29/21 11:00	09/29/21 13:58	1,9010C/9012B	CR

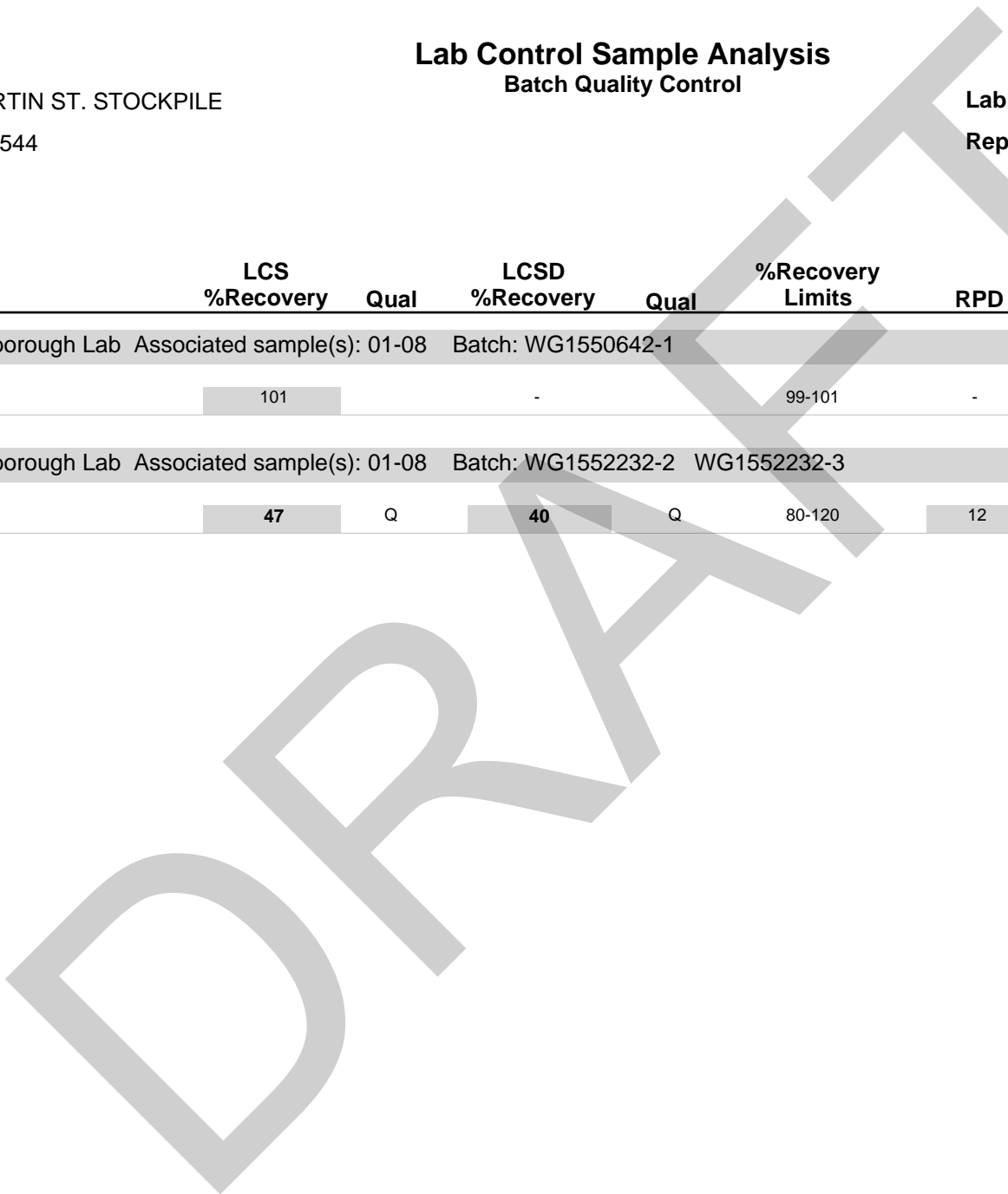
DRAFT

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1550642-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-08 Batch: WG1552232-2 WG1552232-3								
Cyanide, Total	47	Q	40	Q	80-120	12		35



### Matrix Spike Analysis Batch Quality Control

**Project Name:** MARTIN ST. STOCKPILE

**Lab Number:** L2151233

**Project Number:** UT5544

**Report Date:** 09/29/21

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1552232-4 WG1552232-5 QC Sample: L2151383-18 Client ID: MS Sample											
Cyanide, Total	ND	11	10	92		9.8	87		75-125	2	35



## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: MARTIN ST. STOCKPILE

Project Number: UT5544

Lab Number: L2151233

Report Date: 09/29/21

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-16 QC Batch ID: WG1550267-1 QC Sample: L2151233-01 Client ID: UT5544CS07						
Solids, Total	79.4	78.9	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1550642-2 QC Sample: L2149568-01 Client ID: DUP Sample						
pH	9.3	9.4	SU	1		5

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Serial\_No:**09292116:39  
**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2151233-01A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2151233-01C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-01D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-02A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-02B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2151233-02C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-02D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-03A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-03B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2151233-03C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)

\*Values in parentheses indicate holding time in days



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Serial\_No:**09292116:39  
**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2151233-03D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-04A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-04B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2151233-04C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-04D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-05A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-05B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2151233-05C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-05D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-06A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-06B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2151233-06C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-06D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-07A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)

\*Values in parentheses indicate holding time in days



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Serial\_No:**09292116:39  
**Lab Number:** L2151233  
**Report Date:** 09/29/21

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2151233-07B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2151233-07C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-07D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-08A	Plastic 2oz unpreserved for TS	A	NA		5.8	Y	Absent		TS(7)
L2151233-08B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2151233-08C	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-08D	Glass 250ml/8oz unpreserved	A	NA		5.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082-PPM(365)
L2151233-09A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-09X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-09Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-09Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-10A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-10X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-10Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-10Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-11A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-11X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-11Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-11Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-12A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)

**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

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**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2151233-12X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-12Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-12Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-13A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-13X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-13Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-13Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-14A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-14X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-14Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-14Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-15A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-15X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-15Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-15Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-16A	Vial Large Septa unpreserved (4oz)	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2151233-16X	Vial MeOH preserved split	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2151233-16Y	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)
L2151233-16Z	Vial Water preserved split	A	NA		5.8	Y	Absent	24-SEP-21 06:58	NYTCL-8260-R2(14)

\*Values in parentheses indicate holding time in days



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

**Report Format:** DU Report with 'J' Qualifiers





**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

#### Data Qualifiers

- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)



**Project Name:** MARTIN ST. STOCKPILE  
**Project Number:** UT5544

**Lab Number:** L2151233  
**Report Date:** 09/29/21

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

**EPA 8260C/8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270D/8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS

**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LCHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

No: 15196

02151233



# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

<b>Albany</b> 22 Corporate Drive Clifton Park, NY 12065 518/383-9144 (T) 518/383-9166 (F) labsAT@atlantictesting.com	<b>Binghamton</b> 126 Park Avenue Binghamton, NY 13903 607/773-1812 (T) 607/773-1835 (F) labsBT@atlantictesting.com	<b>Canton</b> 6431 U.S. Highway 11 Canton, NY 13617 315/386-4578 (T) 315/386-1012 (F) labsCT@atlantictesting.com	<b>Elmira</b> 2330 Route 352 Elmira, NY 14903 607/737-0700 (T) 607/737-0714 (F) labsHT@atlantictesting.com	<b>Plattsburgh</b> 130 Arizona Ave Plattsburgh, NY 12903 518/563-5678 (T) 518/562-1321 (F) labsPT@atlantictesting.com	<b>Poughkeepsie</b> 251 Upper North Road Highland, NY 12528 845/691-6098 (T) 845/691-6099 (F) labsPT@atlantictesting.com	<b>Rochester</b> 3495 Winton Place Rochester, NY 14623 585/427-9020 (T) 585/427-9021 (F) labsRT@atlantictesting.com	<b>Syracuse</b> 6085 Court Street Road Syracuse, NY 13206 315/699-9281 (T) 315/699-3374 (F) labsST@atlantictesting.com	<b>Utica</b> 301 St. Anthony Street Utica, NY 13501 315/735-3309 (T) 315/735-0742 (F) labsUT@atlantictesting.com	<b>Watertown</b> 26581 NYS Route 283 Watertown, NY 13601 315/786-7887 (T) 315/786-2022 (F) labsWT@atlantictesting.com
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Project No.		Client Name		QA/QC Code		Parameters						Report Distribution		
UTS544		Hamilton College		<input type="checkbox"/> NYSDEC <input type="checkbox"/> SW-846 <input type="checkbox"/> NYSDOH <input type="checkbox"/> CLP <input type="checkbox"/> Other		pH (9052)	SVOC	Residues	PCB	TAL Metals	Cyanide	TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input type="checkbox"/> 10day <input type="checkbox"/> Other _____	Custody Seal: X= intact
ATL Project Contact:		Project Location		E-mail Results:								@atlantictesting.com Laboratory Sample ID No.		
Project Name:		Date		Time								Notes		
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers									
9/22/21	1000 am	UTS544CS07	Martin St. South (South)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS08	Martin St. South (Center)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS09	Martin St. South (North)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS10	Martin St. West	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS11	Martin St. North (SW)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS12	Martin St. North (SE)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS13	Martin St. North (NW)	CS	4	X	X	X	X	X	X			
9/22/21	1000 am	UTS544CS14	Martin St. North (NE)	CS	4	X	X	X	X	X	X			

Samplers Name:	Matt Clum	Date:	9/22/21	Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:	<i>[Signature]</i>	Time:	12:00	Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO

Samples Relinquished By:			Samples Received By:			Sample Type Code Key:		Laboratory Remarks
Name:	Michael Stewick	Date:	9-22-21	Name:	Chris Steink	Date:	9/22/21	Description C Composite    Q QA/QC G Grab            O Other Matrix DW Drinking Water    S Soil GW Groundwater        SL Sludge WW Wastewater            WS Solid Waste SM Stormwater            B Bulk O Oil                        WP Wipe L Liquid                    A Air
Signature:	<i>[Signature]</i>	Time:	1312	Signature:	<i>[Signature]</i>	Time:	1312	
Name:	Chris Steink	Date:	9/22/21	Name:	Chris Steink	Date:	9/23/21	
Signature:	<i>[Signature]</i>	Time:	1312	Signature:	<i>[Signature]</i>	Time:	01:05	





# ATLANTIC TESTING LABORATORIES

## Environmental Chain-Of-Custody Record

No: 15197

2151233

<b>Albany</b> 22 Corporate Drive Clifton Park, NY 12065 518/383-9144 (T) 518/383-9166 (F) labsAT@atlantictesting.com	<b>Binghamton</b> 126 Park Avenue Binghamton, NY 13903 607/773-1812 (T) 607/773-1835 (F) labsBT@atlantictesting.com	<b>Canton</b> 6431 U.S. Highway 11 Canton, NY 13617 315/386-4578 (T) 315/386-1012 (F) labsCT@atlantictesting.com	<b>Elmira</b> 2330 Route 352 Elmira, NY 14903 607/737-0700 (T) 607/737-0714 (F) labsET@atlantictesting.com	<b>Plattsburgh</b> 130 Arizona Ave Plattsburgh, NY 12903 518/563-5878 (T) 518/562-1321 (F) labsPL@atlantictesting.com	<b>Poughkeepsie</b> 251 Upper North Road Highland, NY 12528 845/691-6098 (T) 845/691-6099 (F) labsPT@atlantictesting.com	<b>Rochester</b> 3495 Winton Place Rochester, NY 14623 585/427-9020 (T) 585/427-9021 (F) labsRT@atlantictesting.com	<b>Syracuse</b> 6085 Court Street Road Syracuse, NY 13206 315/699-5261 (T) 315/699-3374 (F) labsST@atlantictesting.com	<b>Utica</b> 301 St. Anthony Street Utica, NY 13501 315/735-3309 (T) 315/735-0742 (F) labsUT@atlantictesting.com	<b>Watertown</b> 26581 NYS Route 283 Watertown, NY 13601 315/786-7887 (T) 315/786-2022 (F) labsWT@atlantictesting.com
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Project No.		Client Name		QA/QC Code		Parameters				Report Distribution	
UT5544		Hamilton College		<input type="checkbox"/> NYSDEC	<input type="checkbox"/> SW-846					TAT Required:	<input type="checkbox"/> 6hr <input type="checkbox"/> 12hr <input type="checkbox"/> 24hr <input type="checkbox"/> 48hr <input type="checkbox"/> 72hr <input checked="" type="checkbox"/> 5day <input type="checkbox"/> 10day <input type="checkbox"/> Other _____
Page 2 of 2				<input type="checkbox"/> NYSDOH	<input type="checkbox"/> CLP						
ATL Project Contact:		Matt Clum		Project Location		voc				Notes	Laboratory Sample ID No.
Project Name:		Martin St. Stockpile		Rome, NY							
Date	Time	Field Sample No.	Sample Location	Sample Type	No. of Containers						
9/22/21	1000 am	UT5544GS07	Martin St. South (South)	GS	1	X					
9/22/21	1000 am	UT5544GS08	Martin St. South (Center)	GS	1	X					
9/22/21	1000 am	UT5544GS09	Martin St. South (North)	GS	1	X					
9/22/21	1000 am	UT5544GS10	Martin St West	GS	1	X					
9/22/21	1000 am	UT5544GS11	Martin St. North (SW)	GS	1	X					
9/22/21	1000 am	UT5544GS12	Martin St. North (SE)	GS	1	X					
9/22/21	1000 am	UT5544GS13	Martin St. North (NW)	GS	1	X					
9/22/21	1000 am	UT5544GS14	Martin St. North (NE)	GS	1	X					

Samplers Name:	Matt Clum	Date:	9/22/21	Received for Name:		Date:		Shipment Rec'd Intact?
Samplers Signature:		Time:	1200	Laboratory Signature:		Time:		<input type="checkbox"/> YES <input type="checkbox"/> NO

Samples Relinquished By:			Samples Received By:			Sample Type Code Key:			Laboratory Remarks
Name:	Michael Stems	Date:	9/22/21	Name:	Chris Stahl	Date:	9/22/21	Description C Composite    Q QA/QC G Grab            O Other Matrix DW Drinking Water    S Soil GW Groundwater    SL Sludge WW Wastewater    WS Solid Waste SM Stormwater    B Bulk O Oil                WP Wipe L Liquid            A Air	
Signature:		Time:	1312	Signature:		Time:	1312		
Name:	Chris Stahl	Date:	9/22/21	Name:	Aron Mansuet	Date:	9/23/21		
Signature:		Time:	1312	Signature:		Time:	0105		

*Appendix D – Rod Mill Soil Management Plan*

DRAFT



**synapse**

**SOILS MANAGEMENT PLAN**

**ROD MILL PARCEL  
OLD GENERAL CABLE SITE  
ROME, NEW YORK**

**VCA INDEX NO. D6-0001-97-07  
NYSDEC SPILL NOS. 02-12777 & 02-12778**

**Prepared for:**

**Charles A. Gaetano  
311 Turner Street  
Utica, NY 13501**

**Prepared by:**

**Synapse Risk Management, LLC  
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120 East Washington Street  
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(315) 475-3700**

**November 2005**

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Figure 1 – Existing Cover Systems

**LIST OF EXHIBITS**

Exhibit 1 – NYSDEC Approval Letter

Exhibit 2 – Rome Community Center Massing Diagram (Full Build-Out Option)

## **1.0 OVERVIEW AND OBJECTIVES**

### Overview

The site is a 6.098-acre vacant former industrial parcel currently owned by Charles A. Gaetano (herein after “the Property”). The Property is identified herein and is commonly referred to in other documents as the Rod Mill Parcel, or Parcel No. 5 of the Old General Cable Site in the City of Rome, New York. The location of the Property is shown on Figure 1 - Site Location Plan.

The Property has been investigated and remediated under New York State’s Voluntary Cleanup Program (VCP), pursuant to a Voluntary Cleanup Agreement (VCA) between Mr. Gaetano and the New York State Department of Environmental Conservation (NYSDEC). The investigation and remediation of the Property and environmental condition have been documented in the following reports and workplans:

- Phase II Investigation of the East Rome Business Park Core Area, Rome, New York, Remediation Technologies, Inc. (July 1997);
- Remedial Action Work Plan, Rod Mill Parcel, Central Core East Rome Business Park, Rome, New York, Jack Eisenbach Engineering, P.C. (May 5, 1998);
- Rod Mill Parcel Environmental Remediation Closure Report, Jack Eisenbach Engineering, P.C. (April 26, 2001);
- Rod Mill Parcel Remedial Action Closure Report (Amendment to Environmental Remediation Closure Report April 26, 2001), Jack Eisenbach Engineering, P.C. (May 30, 2003);
- Voluntary Cleanup Agreement Closure Workplan, Rod Mill Parcel, Synapse Risk Management, LLC (January 2005); and
- Voluntary Cleanup Agreement Closure Report, Rod Mill Parcel, Synapse Risk Management, LLC (August 2005).

### Objective

The objective of this Soils Management Plan (SMP) is to: (1) set forth guidance for management of soil during future Property activities including redevelopment that could potentially breach the current cover system at the Property and (2) provide for establishing modified cover systems that are compatible with the redevelopment plans. This SMP addresses environmental concerns related to soil management, and has been reviewed and approved by NYSDEC, as provided in Exhibit 1.



## **2.0 NATURE AND EXTENT OF IMPACTS**

The environmental condition of the Property has been investigated and remediated pursuant to a VCA with the NYSDEC, as detailed in the above-referenced documents. The following provides an overview of the residual environmental conditions at the Property that are set forth in greater detail in the above reports.

### **2.1 Soil**

The constituents of potential concern (COPCs) in soil based on information obtained from the Phase II Investigation (Jack Eisenbach Engineering, P.C. May 5, 1998) and the VCA Closure Report are summarized as follows:

Analytical results from soil boring SB-3 collected on December 16, 1996 from the northern portion of the former Rod Mill Building indicated the following:

- Low levels of benzene, toluene, trichloroethylene, and 1,1-dichloroethylene (each less than 0.025 milligrams per kilograms [mg/kg]) were identified in the soil at a depth of 4 feet below ground surface. These detected concentrations are below the respective Recommended Soil Cleanup Objectives (RSCOs) set forth in NYSDEC Technical and Administrative Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-94-4046, January 24, 1994 (TAGM 4046). These constituents were not present in groundwater or soil gas samples obtained at this location.

Analytical results from soil samples SSB-2 and SSB-4 collected on February 23, 2005 from the 2003 Aboveground Storage Tank Remedial Action (AST RA) east and west sidewalls, respectively, indicated the presence of two VOCs and one SVOC at concentrations that exceed the NYSDEC RSCOs:

- Methylene chloride was detected at an estimated concentration of 4 mg/kg in soil sample SSB-2. The methylene chloride RSCO is 0.1 mg/kg. Methylene chloride is a common laboratory contaminant; and
- Acetone was detected at a concentration of 25 mg/kg in soil sample SSB-4. The acetone RSCO is 0.2 mg/kg. Acetone is a common laboratory contaminant.
- One SVOC, phenol, was detected in the four sidewall and one blind duplicate QA/QC sample at estimated concentrations ranging from 0.045 to 0.120 mg/kg, which exceeds the phenol RSCO of 0.03 mg/kg. Phenol was also identified in the method blank and therefore may be an indication of laboratory contamination.

Laboratory analytical data from the two soil samples collected west of the storm drain (SSB-5 and SSB-6) on February 23, 2005 did not identify concentrations of VOCs, SVOCs or respective TICs above NYSDEC RSCOs, with the following clarifications.

- The presence of one VOC at a concentration that exceed the NYSDEC RSCO.
  - Methylene chloride was detected at an estimated concentration of 4 mg/kg in soil samples SSB-5 and SSB-6. Methylene chloride has not historically been identified at the Property and is a common laboratory contaminant.

- One SVOC, phenol, was detected at estimated concentrations of 0.072 and 0.038 mg/kg in soil samples SSB-5 and SSB-6, respectively. Phenol was also identified in the method blank as well as the soil samples and therefore may be an indication of laboratory contamination.

The risk from exposure to the COPCs will be minimized through the maintenance of existing cover systems and construction of modified cover systems associated with future development plans in accordance with this Soils Management Plan. This Soils Management Plan will be attached to the recorded Deed Restriction for the property as an Exhibit. The Deed Restriction and Soils Management Plan may be modified only by an amendment approved by NYSDEC.

## **2.2 Groundwater**

The COPCs for groundwater, as set forth in the VCA Closure Report, are summarized as follows:

- Laboratory analytical data from the groundwater samples collected from TMW-5 identified one VOC, one SVOC and no respective TICs above NYSDEC groundwater quality standards set forth in Technical Operational Guidance Series (TOGS) 1.1.1.
  - One VOC, cis-1,2-DCE, was detected at a concentration 32 and 33 micrograms per liter (ug/l) respectively, in the primary sample and its blind duplicate sample collected from temporary monitoring well TMW-5. The NYSDEC groundwater quality standard is 5 ug/l.
  - One SVOC, dibenzofuran, was detected at a concentration of 15 ug/l and an estimated concentration of 6 ug/l respectively, in the primary sample and the blind duplicate sample collected from temporary monitoring well TMW-5. There is no NYSDEC groundwater quality standard for dibenzofuran.

Cis-1,2-DCE has a low to moderate solubility and mobility in groundwater. Natural degradation of cis-1,2-DCE is anticipated to continue, and mobility will be reduced via placement and management of the existing cover systems, and construction of modified cover systems associated with future development plans. Recorded Deed Restriction for the Property will restrict future groundwater use.

### **3.0 CONTEMPLATED FUTURE USE**

Following NYSDEC's written approval of the VCA Closure Report and issuance of its Assignable Release and Covenant Not to Sue, the Property is to be conveyed to the City of Rome as part of the redevelopment project that will support the Rome Community Recreational Center as depicted in Exhibit 2 – Rome Community Center Massing Diagram (Full Build-Out Option). As part of this redevelopment project, the Property has been identified as green space in support of the new center.

The Deed Restriction for the property shall prohibit the Property from being used for purposes other than commercial or industrial, without the express written waiver of such prohibition by NYSDEC.

DRAFT

#### **4.0 PURPOSE AND DESCRIPTION OF SURFACE COVER SYSTEMS**

##### **4.1 Purpose**

The purpose of a surface cover system is to minimize the potential for human contact with impacted material and the potential for impacted runoff from the Property. The surface cover systems that exist at the time of completion of Remedial Activities at the Property (See Figure 1) will be utilized and they consist of one of the following types of material:

- Soil: A minimum of six inches of clean soil or fill and vegetation cover in areas where asphalt or concrete are not present.
- Asphalt: a minimum of six inches of material (asphalt and subbase material) in areas that will become roadways, sidewalks, and parking lots. Actual cross sections will be determined based on the intended use of the area.
- Concrete: a minimum of six inches of material (concrete and subbase material) in areas that will become slab-on-grade structures or for roadways, sidewalks, and parking lots in lieu of asphalt. For slab-on-grade structures, engineering controls will be placed beneath the concrete. Actual cross sections will be determined based on the intended use of the area.

##### **4.2 Existing Surface Cover System**

As of the completion of the VCA closure activities in August 2005, greater than approximately 95% of the Property has a concrete or asphalt cover system. A soil cover system is located in the southeast corner of the Property in the vicinity of the former AST remediation area. This area currently maintains a clean soil cover greater than six inches that is predominantly vegetated.

##### **4.2 Future Surface Cover System**

The proposed future use of the Property is to incorporate the Property into the redevelopment project for the Rome Community Recreational Center. Redevelopment plans propose the construction and enhancement of the existing cover system at the Property, including the placement of a six inch layer of soil in select areas that will be hydro-seeded and covered with mulch.

## **5.0 MANAGEMENT OF SOILS/FILL AND LONG TERM MAINTENANCE OF COVER SYSTEM**

This section presents environmental guidelines for management of subsurface soils/fill, and for the long-term maintenance of the cover systems. The intent of the existing and future cover systems are to be maintained without breach. In the event that future intrusive work breaches the cover system, the following conditions will be obligatory:

- Any breach of the cover system, including for the purposes of construction or utilities work, must be replaced or repaired using an acceptable borrow source that requires no regulatory approval for use at the property. The repaired area must be covered with material from an acceptable borrow source and reseeded or covered with impervious product such as concrete or asphalt, as described in Section 4, to prevent erosion in the future.
- Control of surface erosion and run-off of the Property at all times, including during construction activities. This includes proper maintenance of the vegetative cover established on the Property, as needed.
- Soil that is excavated and is intended to be removed from the Property must be managed, characterized, and properly disposed of in accordance with NYSDEC regulations and directives.
- Soil excavated at the Property may be reused as backfill material on-site provided it contains no visual or olfactory evidence of contamination, and it is placed beneath a cover system component as described in Section 4.
- Any off-site fill material brought to the Property for filling and grading purposes shall be from an acceptable borrow source that requires no regulatory approval for use at the property. Off-site borrow sources shall be subject to collection of one representative composite sample per source. The sample should be analyzed for Target Compound List (TCL) VOCs, SVOCs, pesticides, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals plus cyanide. The soil will be acceptable for use provided that all parameters meet the NYSDEC RSCOs
- Prior to any construction activities, workers are to be notified of the site conditions with clear instructions regarding how the work is to proceed. Invasive work performed at the property will be performed in accordance with all applicable local, state, and federal regulations to protect worker health and safety.

### **5.1 Annual Certification**

The fee owner of the Property, as of December 31 of the calendar year, shall complete and submit to NYSDEC an annual report by March 31<sup>st</sup> of the following year. Such annual report shall contain a certification that the institutional controls put in place, pursuant to the Deed Restriction, are still in place and the cover system on the Property has not been modified except in accordance with this Soils Management Plan or in a matter approved by NYSDEC.

If the cover system has been breached during the year covered by that Annual Report, the owner of the Property shall include in that annual report a certification that all work was performed in conformance with this SMP.

The first annual report shall be submitted by March 31 of the following calendar year when the Deed Restriction is recorded.

## **5.2 Management of the Excavated Soil/Fill for Off-site Disposal.**

Soil/fill that is excavated during redevelopment activities that can not be used as fill below the cover system will be further characterized prior to transportation off-site for disposal at a permitted facility.

For excavated soil/fill with visual evidence of contamination (i.e., staining or elevated PID measurements), one composite sample and a duplicate sample will be collected for each 100 cubic yards of stockpiled soil/fill. For excavated soil/fill that does not exhibit visual evidence of contamination but must be sent for off-site disposal, one composite sample and one duplicate sample will be collected for each 2,000 cubic yards of stockpiled soil, and a minimum of 1 composite sample will be collected for volumes less than 2,000 cubic yards.

Composite samples of stockpiled soil will be collected from five locations within each stockpile. A duplicate composite sample will also be collected. PID measurements will be recorded for each of the five individual locations. One grab sample will be collected from the individual location with the highest PID measurement. If none of the five individual sample locations exhibit PID readings, one location will be selected at random. The composite sample will be analyzed by a NYSDOH ELAP-certified laboratory for pH (EPA Method 9045C), TCL SVOCs, pesticides, and PCBs, and TAL metals, and cyanide. The grab sample will be analyzed for TCL VOCs.

Soil samples will be composited by placing equal portions from each of the five composite sample locations into a pre-cleaned, stainless steel (or Pyrex glass) mixing bowl. The soil/fill will be thoroughly homogenized using a stainless steel scoop or trowel and transferred to dedicated sample containers provided by the laboratory. Samples will then be transported to the laboratory utilizing standard chain-of-custody protocols.

Additional characterization for off-site disposal may be required by the selected disposal facility. To potentially reduce off-site disposal requirements/costs, the owner or site developer may also choose to characterize each stockpile individually. If the analytical results indicate that concentrations exceed the standards for RCRA characteristics, the material will be considered a hazardous waste and must be properly disposed off-site at a permitted disposal facility within 90 days of excavation. If analytical results indicate that the soil is not a hazardous waste, the material may be properly disposed off-site at a non-hazardous waste facility. Stockpiled soil cannot be transported off-site prior to receipt of analytical results.

## **5.3 Management of Subgrade Material**

Subgrade material to be used as excavation backfill, or placed to increase site grades or elevation, shall meet the following criteria:

- Excavated on-site soil/fill which appears to be visually impacted shall be characterized as discussed in the preceding Section 5.2. If analytical results indicate that COPCs, if any, are present at concentrations below the RSCOs set forth in TAGM 4046, the soil/fill can be used as backfill on-site.
- Off-site fill material brought to the Property for filling and grading purposes shall be from a borrow source that requires no regulatory approval for use at the property.
- "Virgin" soil sources shall be documented in writing to be native soil material from areas not having supported any known prior industrial or commercial development or agricultural use.
- Virgin soils shall also be subject to collection of one representative composite sample per source. The sample should be analyzed for TCL VOCs, SVOCs, pesticides, PCBs, arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, and cyanide. The soil will be acceptable for use as backfill provided that all parameters meet the TAGM 4046 RSCOs.
- Non-virgin soils will be tested via collection of one composite sample per 500 cubic yards of material from each source area. If more than 1,000 cubic yards of soil are borrowed from a given off-site non-virgin soil source area, and both samples of the first 1,000 cubic yards meet TAGM 4046 RSCOs, the sample collection frequency will be reduced to one composite sample for every 2,500 cubic yards of additional soils from the same source, up to 5,000 cubic yards. For borrow sources greater than 5,000 cubic yards, sampling frequency may be reduced to one sample per 5,000 cubic yards, provided all earlier samples met the TAGM 4046 RSCOs.

DRAFT

**FIGURES**

Soils Management Plan  
Rod Mill Parcel  
Old General Cable Site  
Rome, New York

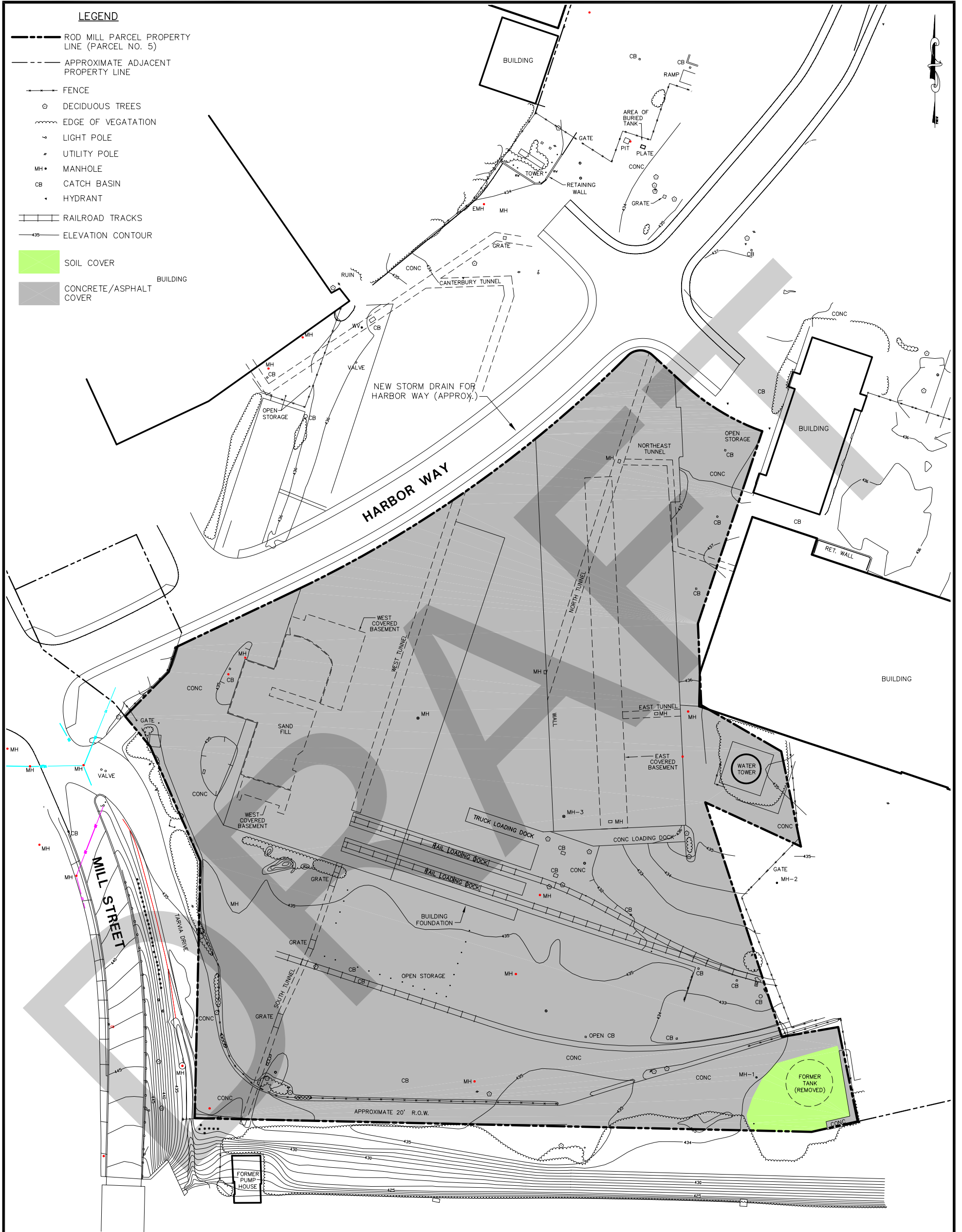
November 2005

Figure 1 – Existing Cover Systems



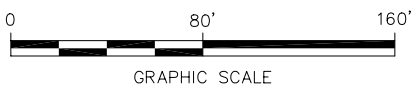
**LEGEND**

- ROD MILL PARCEL PROPERTY LINE (PARCEL NO. 5)
- - - APPROXIMATE ADJACENT PROPERTY LINE
- FENCE
- ⊗ DECIDUOUS TREES
- ~ EDGE OF VEGETATION
- ⋄ LIGHT POLE
- ⋄ UTILITY POLE
- MH• MANHOLE
- CB CATCH BASIN
- HYDRANT
- ▬ RAILROAD TRACKS
- ELEVATION CONTOUR
- SOIL COVER
- CONCRETE/ASPHALT COVER



**NOTES:**

1. BASE MAP MODIFIED FROM ELECTRONIC COPY OF SURVEYS BY LAFAVE, WHITE, & MCGIVERN, L.S., P.C. ENTITLED "SUBDIVISION MAP PROPERTY OF EAST ROME BUSINESS PARK CHARLES A. GAETANO - OWNER", DATED 12/20/96.
2. UTILITY LOCATIONS ARE APPROXIMATE, AND ALL UTILITIES MAY NOT BE SHOWN.



SYNAPSE RISK MANAGEMENT, LLC  
400 UNIVERSITY BUILDING  
120 EAST WASHINGTON STREET  
SYRACUSE, NEW YORK 13202

SOILS MANAGEMENT PLAN  
ROD MILL PARCEL  
OLD GENERAL CABLE SITE  
ROME, NEW YORK

**EXISTING COVER SYSTEMS**

PROJECT NO.:  
GAET 02-04-01

DATE:  
AUGUST 2005

FIGURE NO.:

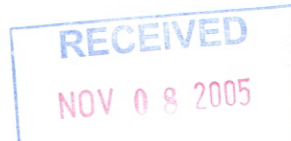
**1**

**EXHIBIT 1  
NYSDEC APPROVAL LETTER**

Soils Management Plan  
Rod Mill Parcel  
Old General Cable Site  
Rome, New York

November 2005

November 7, 2005



Ms. Vita DeMarchi, P.G.  
SYNAPSE  
400 University Building  
120 East Washington Street  
Syracuse, New York 13202

RE: Voluntary Cleanup Agreement Closure Report  
Index No. D6-0001-97-07 - Spills #02-12777 & #02-12778

Dear Ms. DeMarchi:

The Department has reviewed the following materials and would like to offer the following comments as it pertains to the above-referenced site.

**Declaration of Restrictive Covenants, Rod Mill Parcel**

1. Section (b) of "Use Restrictions" should include a reference that use of groundwater is prohibited without treatment to render it safe for use as drinking water or industrial purposes as determined by NYSDEC.
2. "Use restrictions" should also include a provision whereby the property owner will be required to complete and submit to the NYSDEC an annual certification that the institutional and engineering controls put in place are unchanged from the previous certification and that nothing has occurred that would impair the ability of the controls to protect public health or the environment or constitute a violation or failure to comply with the site management plan.

**Soils Management Plan**

1. Based upon the data presented in Section 2.1 of the Soils Management Plan, no surface soil contamination was identified. However, in the event of discovering surface contamination during future redevelopment of the site (i.e., removal of historic foundations), the New York State Department of Environmental Conservation and the New York State Department of Health should be notified within 30 days.

**Voluntary Cleanup Agreement Closure Report**

1. The August 2005 Volunteer Agreement Closure Report for the Rod Mill Parcel at the Old General Cable site located in Rome, Oneida County, has adequately addressed the NYSDEC and the NYSDOH. In addition, the work which has been conducted satisfies the requirements of the approved Voluntary Cleanup Agreement Work Plan dated January 2005.
2. Spill No. 02-12778 will be closed meeting standards as of the date of this letter.
3. Spill No. 02-12777 will be closed meeting standards as of the date of this letter.



**Canterbury Parcel Declaration of Restrictive Covenants**

1. Section (6), in addition to Item (1) "Use Restrictions", please add:
  - a. Use of groundwater is prohibited without treatment to render it safe for use as drinking water or industrial purposes as determined by NYSDEC.
  - b. The property owner will be required to complete and submit to the NYSDEC an annual certification that the institutional and engineering controls put in place are unchanged from the previous certification and that nothing has occurred that would impair the ability of the controls to protect public health or the environment or constitute a violation or failure to comply with the site management plan.
2. Please provide a soil management plan for the Canterbury Parcel as was done and similar to the Rod Mill.

Please revise the above documents and file the final papers with the Oneida County Clerk. Once the papers have been filed, please provide a copy of the certified papers, along with an electronic file to this office and the NYSDOH representatives office. If you have any questions, please feel free to contact me.

Sincerely,

  
Peter S. Ouderkirk, P.E.  
Project Manager

PSO:als

cc: Darrell M. Sweredoski  
Katherine Comerford - NYSDOH - Troy  
Fay Navratil - NYSDOH - Troy

**ROME COMMUNITY CENTER MASSING DIAGRAM (FULL BUILD-OUT OPTION)**

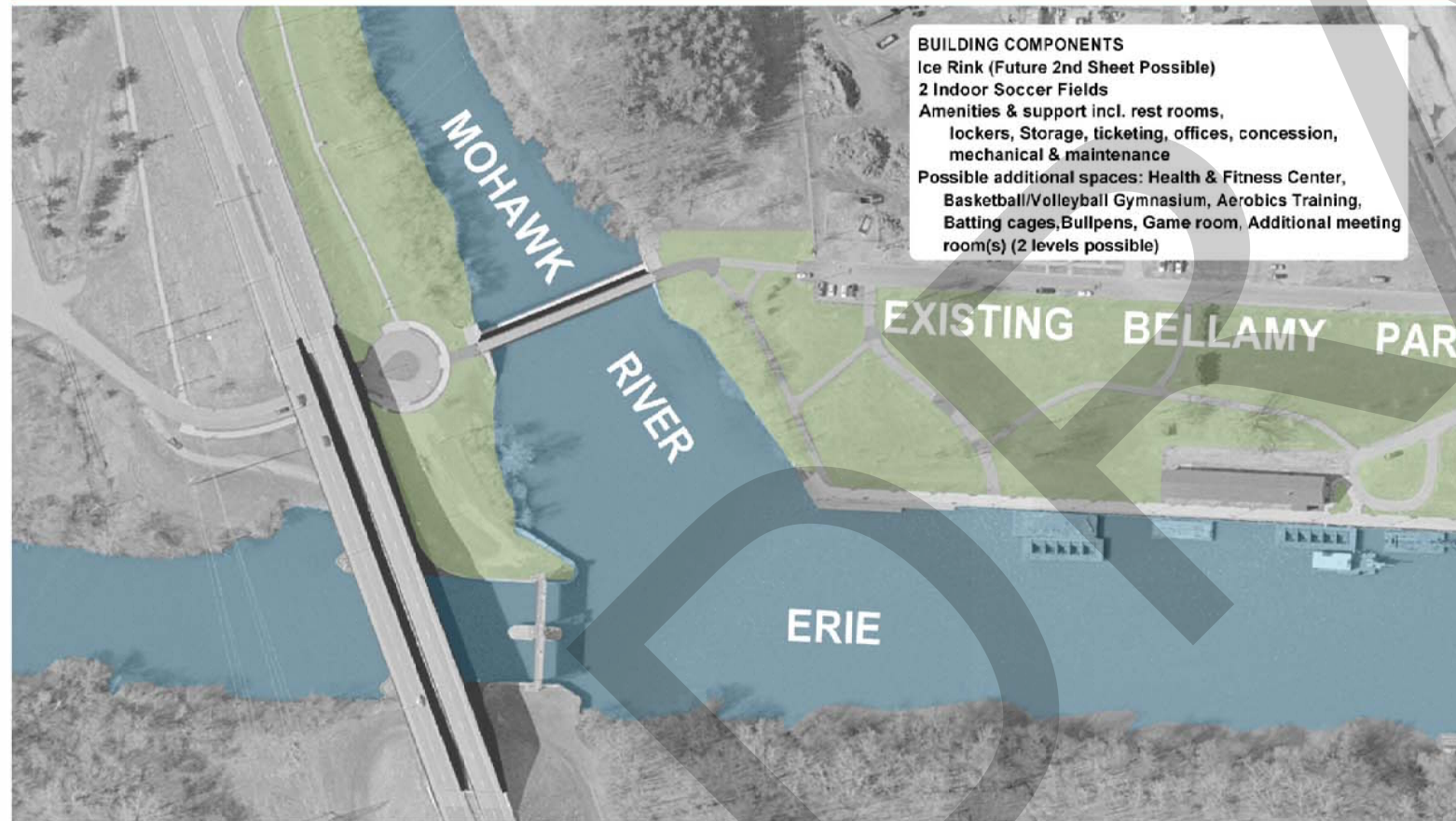
Soils Management Plan  
Rod Mill Parcel  
Old General Cable Site  
Rome, New York

November 2005

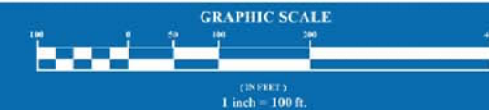




Artist's Concept of Indoor Facilities (View from Dominick Street)



Rome Community Center  
 Massing Diagram (Full Build-Out Option)  
 Rome, New York



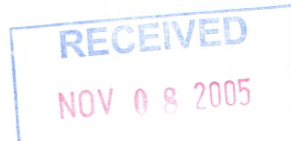
October 18, 2004

CLOUGH HARBOUR SPORTS





November 7, 2005



Ms. Vita DeMarchi, P.G.  
SYNAPSE  
400 University Building  
120 East Washington Street  
Syracuse, New York 13202

RE: Voluntary Cleanup Agreement Closure Report  
Index No. D6-0001-97-07 - Spills #02-12777 & #02-12778

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**Soils Management Plan**

1. Based upon the data presented in Section 2.1 of the Soils Management Plan, no surface soil contamination was identified. However, in the event of discovering surface contamination during future redevelopment of the site (i.e., removal of historic foundations), the New York State Department of Environmental Conservation and the New York State Department of Health should be notified within 30 days.

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