Honeywell

Interim Remedial Measure Technical Memorandum

Former Oak Materials Fluorglas Division–John Street
NYSDEC Site No. 442049
Village of Hoosick Falls, Rensselaer County, New York

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ERM

The business of sustainability

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EXECUTIVE SUMMARY

Background

Honeywell International Inc. (Honeywell) is currently implementing a remedial investigation/feasibility study (RI/FS) at the Former Oak Materials Fluorglas Division - John Street (the Site) pursuant to Order on Consent and Administrative Settlement with the New York State Department of Environmental Conservation (NYSDEC) dated 3 June 2016 (the Order; Index Number CO 4-20160415-79). In July 2017, the Site was added to the Registry of Inactive Hazardous Waste Disposal Sites (the Registry) as a Class 2 site (Site No. 442049).

On 14 November 2019, a sewer contractor that was implementing a sanitary sewer upgrade project for the Village of Hoosick Falls (Village) encountered and opened up an old concrete box culvert. This structure was believed to be associated with the former alignment of the Woods Brook channel that crossed the Site. The box culvert had been abandoned during the 1950-1952 US Army Corps of Engineers (USACE) Flood Control project when Woods Brook was moved to its current location on the east side of the Site. A search of available historical records had found no information regarding the construction or dimensions of the structure.

The culvert contained material and debris that had settled out of the Brook when it was in operation. These materials were sampled by the Village's sewer contractor and found to contain the volatile organic compounds (VOCs) (primarily trichloroethene [TCE] and 1,1,1-trichloroethane [1,1,1-TCA]) and semi-VOCs SVOCs (primarily naphthalene). Organic solvents were encountered both as free product and bound to the solid materials in the culvert. The NYSDEC was notified and a spill report was opened on 14 November 2019 and closed on 27 November 2019.

The interim remedial measure (IRM) described in this document was completed in general conformance to the NYSDEC Spill Response Guidance and NYSDEC Division of Environmental Remediation (DER) May 2010 Technical Guidance for Site Investigation and Remediation guidance (DER-10). NYSDEC designated the IRM as an emergency/time critical IRM and as per Section 1.1(b)2 of DER-10, certification requirements described in DER-10 Section 1.5 are not applicable.

Phase 1 Response

In light of the potential connection of the VOCs/SVOCs to the Site, Honeywell undertook rapid response actions to temporarily secure the excavation until an IRM could be planned and completed. The Village, NYSDEC and local business owners indicated the excavation must be secured before the 27 November Thanksgiving holiday.

Honeywell immediately developed an engineered approach to backfill and temporarily secure the culvert that was proposed in a Phase 1 work plan submitted to NYSDEC on 22 November 2019. Following discussions with NYSDEC and approval of the Phase 1 work plan, Honeywell's consultants and subcontractors mobilized the equipment, supplies and personnel to implement the Phase 1 scope on 26 November 2019. The work was completed in one day.

Phase 2 Response Planning

On 5 December 2019, Honeywell notified NYSDEC that it would undertake further investigations and an IRM to address the impacted materials identified in the culvert. Honeywell developed and submitted to NYSDEC the Phase 2 Culvert Investigative/Removal Action Work Plan (Work Plan) on 3 January 2020. The Work Plan outlined the Scope of Work for a pre-remedial design investigation, and an IRM to remove VOC-impacted materials from the culvert. The Work Plan was approved by NYSDEC on 16 January 2020.

Following approval of the Work Plan, Honeywell fast-tracked procurement of the subcontractors necessary to implement the investigations and IRM, scheduled the work, and initiated planning, notification, coordination activities. The Village, NYSDEC and local business owners indicated the

IRM needed to be completed before 11 March 2019 so as not to impede deliveries to local businesses in advance of Saint Patrick's Day on 17 March.

The location and nature of the investigative and remedial activities required a significant level of planning and coordination in advance of mobilization/site preparation activities to ensure a safe, successful project that minimized impacts/disruption to, and be protective of the community. The work was to be implemented in a challenging utility-dense portion of John Street where the numerous known subsurface utilities include: water, sanitary sewer, storm sewer, communication (fiber-optic and copper wire) and electrical lines for pole lighting on the business property to the north of John Street. Overhead utilities include electric and communications (telephone and cable television).

Full closure of a portion of John Street to through-traffic was required for the duration of any open excavation and waste handling activities. The closed section of John Street was between the Woods Brook channel and the intersection of Lyman and John Streets. The intersection remained open except during limited closures associated with equipment and material movement between the work area and the Site. Properties on John Street remained accessible from Church Street.

Advance notification and coordination were provided to:

- Local business owners (relative to general information about the work, notification of the road closures, and property access);
- Officials for Village (Mayor's Office, Police Department, and Superintendent of Highways) to confirm the adequacy of road closure/detour signage and fencing for physical isolation/protection of the work zone and pedestrians;
- Town of Hoosick School District (relative to rerouting school bus routes);
- Rensselaer County to inform the 911 Emergency Response System (relative to the road closures); and
- NYSDEC (relative to overall oversight).

NYSDEC issued fact sheets describing the work to residents in the immediate vicinity of the Site and to the Community Participation Working Group (CPWG).

Pre-IRM Investigation

During 3 – 5 February 2019, pre-IRM investigative activities were completed that included geophysical surveys and soil borings/sampling intended to meet the following objectives:

- Identify the former Woods Brook channel immediately to the north of the culvert and investigate soil quality within that alignment to determine whether VOC/SVOC-impacted soils are present; and
- Investigate soil quality beneath the culvert to determine whether VOC/SVOC-impacted soils are present.

The geophysical surveys identified the former Woods Brook channel immediately to the north of the culvert and soil borings were performed along the alignment. The soil boring/sampling investigative results indicated VOC impacts (TCE and 1,1,1-TCA) to soil within the former Woods Brook alignment at concentrations in excess of their respective New York State Part 375 SCOs for protection of groundwater that rapidly decline with increasing distance northerly across the commercial property. Detected VOC concentrations in all soil samples were all well below the SCOs for commercial use. Soil samples collected from beneath the culvert structure and the roadway via angled borings also contained VOCs (TCE, 1,1,1-TCA and 1,1-dichloroethane {1,1-DCA}) detected at concentrations exceeding their respective SCOs for protection of groundwater but were all well below the commercial SCO.

IRM

The IRM was completed during 1 February to 3 March 2020. As set forth in the approved work plan, it was intended to meet the following objectives:

- Avoid and protect the numerous utilities identified in the work zone;
- Access and remove the materials from within the culvert structure; and
- Manage and dispose of excavated materials at a properly permitted facility.

IRM Results

The IRM fieldwork was safely and successfully completed with NYSDEC approval a week ahead of the 11 March 2019 deadline. John Street was reopened on 3 March 2019. The following points demonstrate the success of the IRM.

- Material removal beneath the southern roof section continued until visibly/grossly contaminated material was no longer encountered and underground utilities/structures prevented any further progress in this direction.
- Material removal advanced to the northern terminus of the culvert roof/walls and down to the top of the clay. At this point, visibly/grossly contaminated material was no longer encountered, and further digging was not possible beyond the culvert terminus.
- Materials removal extended down to and into the top of a clayey silt layer occurring ~12 feet below ground surface (bgs) across the entire footprint of the culvert excavation. Excavation deeper than the culvert wall footing (~12 feet bgs) was not possible to due to the potential to undermine the footings that could cause structural instability.
- Post-IRM soil sampling results indicate VOC impacts to soil in the floor, north and south excavation walls at concentrations in excess of the SCOs for protection of groundwater but are well below the SCOs for commercial use.
- In summary, a major source of contamination was addressed with 147 tons of materials removed from the culvert and 1,265 gallons of decontamination wastewater that were taken offsite for disposal.

Recommendations

No further remedial actions are recommended at this time. Remedial alternatives will be evaluated as a component of the John Street feasibility study.

1. INTRODUCTION, BACKGROUND & PURPOSE

This Technical Memorandum documents the procedures and results of an investigation and an interim remedial measure (IRM) undertaken to remove solid materials impacted by volatile organic compounds (VOCs) and semi-VOCs (SVOCs) from within an abandoned concrete box culvert beneath John Street.

1.1 Background

Honeywell International Inc. (Honeywell) entered into an Order on Consent and Administrative Settlement with the New York State Department of Environmental Conservation (NYSDEC) dated 3 June 2016 (the Order; Index Number CO 4-20160415-79). The Order required the performance of investigation activities, including at the Former Oak Materials Fluorglas Division - John Street (the Site). The location of this 0.6-acre Site is shown on Figures 1 and 2. In July 2017, the Site was added to the Registry of Inactive Hazardous Waste Disposal Sites (the Registry) as a Class 2 site (Site No. 442049). Honeywell is currently implementing a remedial investigation/feasibility study (RI/FS) for this Site.

During 2019, the Village of Hoosick Falls (Village) was implementing a sanitary sewer upgrade project in the vicinity of the Site. When working on the John Street portion of the project, the Village's sewer project contractor encountered and opened up an old concrete box culvert. This structure was believed to be associated with the former alignment of the Woods Brook channel that crossed the John Street property. The box culvert had been abandoned during the 1950-1952 US Army Corps of Engineers (USACE) Flood Control project when Woods Brook was moved to its current location on the east side of the Site. A search of available historical records had found no information regarding the construction or dimensions of the structure. The approximate location and orientation of the box culvert is shown on Figure 3.

The culvert contained material and debris that had settled out of the Brook when it had flowed through it. These materials were sampled by the Village's sewer contractor on 14 November 2019 and found to contain VOCs (primarily trichloroethene [TCE] and 1,1,1-trichloroethane [1,1,1-TCA]) and SVOCs (primarily naphthalene). Organic solvents were encountered both as free product and bound to the solid materials in the culvert. A spill report was opened by NYSDEC on 14 November 2019 and closed on 27 November 2019, when Honeywell assumed responsibility for remediation activities under the John Street Consent Order.

On 22 November 2019, Honeywell submitted a Phase 1 work plan to inspect the culvert and to backfill and secure the culvert temporarily. ERM and NYSDEC personnel inspected the limited visible portion of the inside of the box culvert structure. Based on these observations, the dimensions of the culvert and volume of materials within the culvert were estimated for purposes of conducting an IRM. Following discussions with NYSDEC and approval of the Phase 1 work plan, ERM backfilled the culvert and completed the initial backfill program by 26 November 2019. Figure 3 presents a plan view of the John Street area, the location of the box culvert, the temporarily backfilled excavation, and existing subsurface and overhead utilities.

On 5 December 2019, Honeywell notified NYSDEC that it would undertake further investigations and removal actions related to the VOC impacts identified in the culvert. Honeywell submitted to NYSDEC the draft Phase 2 Culvert Investigative/Removal Action Work Plan (Work Plan) on 3 January 2020. The Work Plan outlined the Scope of Work for a pre-remedial design investigation, and an IRM to remove VOC-impacted materials from the culvert. The final Work Plan was approved by NYSDEC on 16 January 2020. The investigation and follow-up IRM fieldwork detailed herein was performed during 3 – 5 February and 17 February – 3 March, respectively.

1.2 Purpose

Pre-IRM investigative activities included geophysical surveys and soil borings/sampling intended to meet the following objectives:

- Investigate soil quality beneath the culvert to determine whether VOC/SVOC-impacted soils are present; and
- Identify the former Woods Brook channel immediately to the north of the culvert and investigate soil quality within that alignment to determine whether VOC/SVOC-impacted soils are present.

The culvert IRM was completed during 17 February to 3 March 2020. As set forth in the approved work plan, it was intended to meet the following objectives:

- Avoid and protect the numerous utilities identified in the work zone (Section 2.2);
- Access and remove the materials from within the culvert structure;
- Clean the structure and apply a carbon-based absorptive amendment to the bottom concrete surface to reduce the potential for migration of any residual VOCs; and
- Manage and dispose of excavated materials at a properly permitted facility.

2. PLANNING, MOBILIZATION & SITE PREPARATION ACTIVITIES

The location and nature of the investigative and remedial activities required planning and coordination in advance of mobilization/site preparation activities. Specific actions performed in advance of the remedial action are summarized below.

2.1 Planning, Mobilization & Traffic Control Coordination

The pre-IRM investigation was completed in three days and required access to a commercial business property to the north of John Street, and temporary partial closure of John Street during daytime hours for certain drilling operations.

The culvert IRM field work was completed in 12 days. Full closure of a portion of John Street to through-traffic was required for the duration of any open excavation and waste handling activities. The closed section of John Street was between the Woods Brook channel and the intersection of Lyman and John Streets. The intersection remained open except during limited closures associated with equipment and material movement between the work area and the Site. Properties on John Street remained accessible from Church Street.

Advance notification and coordination were provided to:

- Local business owners (relative to general information about the work, notification of the road closures, and property access);
- Officials for Village (Mayor's Office, Police Department, and Superintendent of Highways) to confirm the adequacy road closure/detour signage and fencing for physical isolation/protection the work zone and pedestrians;
- Town of Hoosick School District (relative to rerouting school bus routes);
- Rensselaer County to inform the 911 Emergency Response System (relative to the road closures); and
- NYSDEC (relative to overall oversight).

NYSDEC issued fact sheets describing the work to residents in the immediate vicinity of the Site and to a Community Participation Working Group (CPWG).

2.2 Utility Location/Clearance

The selected drilling and environmental contractors contacted Dig Safely New York (DSNY) as required by law (16 NYCRR Part 753) prior to the initiation of intrusive activities and requested identification, location, and mark out of member-company utilities in areas proposed for soil borings and the remedial excavation of the culvert.

Known subsurface utilities in these areas include water, sanitary sewer, storm sewer, communication (fiber-optic and copper wire) and electrical lines for pole lighting on the business property to the north of John Street. Overhead utilities include electric and communications (telephone and cable television).

A private utility location/geophysical subcontractor was retained to evaluate proposed drilling locations and the remedial excavation area using the following methods: ground penetrating radar (GPR), magnetometry/metal detection, and inductive cable/pipe location. A minimum 10-foot diameter around each planned drilling location and excavation area was scanned for subsurface utilities prior to the initiation of the work. Soil borings and the extent of remedial excavation areas were adjusted based on the findings of these surveys to avoid drilling in close proximity to any identified utilities or unknown targets.

2.3 Decontamination

The work required the construction of a contaminated materials/equipment staging and wash down area on the Site. The area was an approximately 300 square-foot high-density polyethylene portable containment pad that was bermed at the sides and used for both the pre-IRM investigation and remedial excavation activities. Temporary staging and decontamination of machinery and tools were conducted within the pad area. Re-usable drilling and sampling equipment and tools were cleaned with Alconox® and potable water solution followed by PFAS-free bottled water or distilled water rinse between uses. Excavation equipment and other equipment that contacted material within or removed from the culvert, as well as boulders, cobbles and concrete chunks were cleaned by steam/pressure washing. Decontamination water from the pad was transferred into pre-labeled waste containers for characterization and proper disposal.

2.4 Supporting Project Documents

In addition to the Work Plan, the pre-IRM investigative and remedial activities were supported by relevant parts of the following NYSDEC-approved August 2019 John Street Remedial Investigation (RI) documents:

- *The Community Air Monitoring Plan (CAMP);*
- *RI Field Sampling and Analysis Plan (FSAP); and,*
- *RI Quality Assurance Project Plan (QAPP)*.

3. SOIL INVESTIGATION & RESULTS

Pre-IRM investigative activities included geophysical surveys and soil borings/sampling that were completed during 3 – 5 February 2020. The geophysical survey area and soil boring locations are shown in Figure 4. The following sections detail the investigative activities and results.

3.1 Soil Investigation

3.1.1 Geophysical Survey

A GPR survey was performed to the north of John Street to identify the former Woods Brook channel alignment immediately north of and associated with the culvert. The GPR survey identified the former Woods Brook channel alignment. The results of the GPR survey and the private utility location were used to select five soil boring locations within that alignment to investigate soil quality and determine whether VOC/SVOC-impacted soils are present.

3.1.2 Soil Borings

Eight (8) soil borings were advanced using the direct-push drilling/sampling method. Each borehole was sampled continuously using dedicated sample liners and dual tube or equivalent discrete interval sampling methods. Reusable sampling equipment was cleaned between each borehole location using decontamination procedures described in Section 2.3.

Five (5) soil borings (OS-SCBs -1 through -5) were installed to collect soil samples from within the alignment representing the former Woods Brook channel to the north of John Street. Soil borings were planned to extend two feet into the top of the clay layer, where encountered, or to the top of the till and/or bedrock interface. The clay layer was not encountered in soil borings OS-SCBs -1 through -3 located along the northern end of the former Woods Brook alignment. The soil borings extended to the top of till and/or bedrock that was found to occur at 25 to 30 feet bgs. Two soil borings (OS-SCBs -4 and -5) extended two feet into the top of the clay layer, which occurs at approximately 15 to 20 feet bgs.

Three soil borings (OS-SCBs -6 through -8) were installed to obtain soil samples from beneath the culvert (Figure 5). The soil borings were performed on an inclined angle of approximately 45 degrees from vertical (angle borings) to access soils beneath the structure.

Soil cores were examined and screened continuously from the ground surface to the completion depth of each soil boring. A volume of soil from each two-foot increment of each soil core sampling interval was placed directly into sealable HDPE bags and labeled with the depth interval on the outside. The soil was allowed to equilibrate within the bag for approximately five minutes to facilitate VOC headspace screening using a calibrated photoionization detector (PID) equipped with an 11.7 eV lamp. Soil samples were visually examined for physical properties including color, texture, composition, moisture content, odor, and visual evidence of staining, discoloration, or product/sheen. Soil descriptions and other field data/observations were documented on soil boring logs.

Planned soil sample intervals for laboratory analyses were the two-foot intervals immediately beneath fill/native soil interface (assumed to be the former Woods Brook bed), above the water table, and above the clay, or, if the clay was not encountered, above the till/bedrock surface. Actual field conditions, PID screening, physical properties and soil core recoveries were also considered in selection of soil samples for laboratory analyses.

Soil borings and the depth intervals from which samples were collected for laboratory analyses based on field conditions are listed in Table 1 below:

Table 1
Summary of Soil Borings and Sample Depth Intervals

Soil Boring ID	Sample Depth Interval (ft. bgs)	Criteria for Selection
OS-SCB-1	9-11	Former Channel Bed
	14-16	Above Water Table
	24-26	Above Till/Bedrock
OS-SCB-2	8-10	Former Channel Bed
	14-16	Above Water Table
	22-24	Above Till/Bedrock
OS-SCB-3	10-12	Former Channel Bed
	14-16	Above Water Table
	16-18	Possible Staining
	18-20	Possible Staining
	21-23	Above Till/Bedrock
OS-SCB-4	8-10	Former Channel Bed/Above Water Table
	18-20	Above/at Top of Clay
OS-SCB-5	8-10	Former Channel Bed/PID
	10-12	Above Water Table/PID
	16-18	Above/at Top of Clay
OS-SCB-6*	14.8-16.3	Beneath Culvert
	16.3-17.7	" "
OS-SCB-7*	17.7-20.5	" "
OS-SCB-8*	14.9-16.3	" "
	16.3-17.7	" "

* Angle Boring

All soil samples for laboratory analyses were collected into laboratory-provided sampling containers that were labeled and stored in a clean pre-chilled cooler.

3.1.3 Soil Sample Analyses

All soil samples were analyzed for Target Compound List (TCL) VOCs and TCL SVOCs using United States Environmental Protection Agency (USEPA) Methods 8260C and 8270D. Soil samples for TCL VOC analyses were collected/prepared using USEPA Method 5035 where five grams of soil are weighed in the field and added to 40-milliliter vials containing methanol or sodium bisulfate preservative. The remaining samples were unpreserved. Samples were transported under chain of custody to Eurofins TestAmerica LLC (Eurofins). Eurofins is an Environmental Laboratory Approval Program (ELAP) approved laboratory for all parameters except PFAS, for which regulatory approval has not yet been established by USEPA or NYSDEC.

3.1.4 Assessment of Data Quality

All soil sample laboratory data deliverables were reviewed by an independent third party to assess and validate the quality and usability of the data. An overview of the data quality objectives and usability review process/requirements, and the resultant data usability reports (DUSRs) is presented below.

3.1.4.1 Data Quality Objectives

Data Quality Objectives (DQOs) are qualitative and quantitative criteria used to support the decision making process. DQOs define the uncertainty in analytical data and consider precision, accuracy, representatives, completeness, and comparability (PARCC):

- Precision is a measure of mutual agreement among measurements of the same property usually under prescribed similar conditions. Precision is best expressed in terms of the standard deviation.
- Accuracy is the degree of agreement of a measurement (or an average of measurements) with an accepted reference of "true value". Accuracy is an estimate of potential numerical bias (i.e., low or high) in analytical data.
- Representativeness expresses the degree to which data parameter variations at a sampling point indicate a process condition, or an environmental condition.
- Completeness is a measure of the amount of valid data obtained compared to the amount that was expected to be obtained under correct normal conditions.
- Comparability expresses the confidence with which one data set can be compared with another. Comparability is a qualitative measurement. Comparability is assessed by reviewing results or procedures for analytical data that do not agree with expected results.

Eurofins provided a NYSDEC ASP Category B deliverable for all data. The Quality Assurance Officer carried out a preliminary review of the data packages. The data were validated by an independent third party, Environmental Data Services, Inc. (EDS), located at 177 Herman Melville Avenue, Newport News, Virginia. The review of the sampling data by EDS was performed in accordance with the:

- Analytical methods;
- NYSDEC ASP (NYSDEC, 2010a);
- USEPA CLP National Functional Guidelines for Organic Superfund Data Review (USEPA, 2017a);
- Applicable USEPA Region II Data Review Standard Operating Procedures; and
- Reviewer's professional judgment.

The order in which the aforementioned guidance documents and/or criteria were listed as being used for validation does not imply a hierarchy of reliance. The most comprehensive reference sources were used to perform a complete data validation.

3.1.4.2 Data Usability

DUSRs were prepared for all samples based upon the data review. The DUSRs consist of a section that contains an assessment of the deliverables, followed by a section that describes the analytical results and any qualifications that should be considered when using the data. The DUSRs highlight the data results that did not meet QC limits and therefore required data qualification. These tables include information such as, blank contamination, surrogate recoveries, and internal standard area counts that did not meet QC criteria.

Qualification of data, where appropriate, was made by the use of qualifier codes based upon the data validation process. These qualifiers are defined in the data tables where used and serve as an indication of the qualitative and quantitative reliability of the data.

The final review of the all DUSRs was performed by the ERM Quality Assurance Officer. The validation indicated that all data are valid and usable for the purposes of the SC with the few

exceptions described in the DUSRs. The DUSRs are presented in Appendix A and the NYSDEC ASP Category B deliverables are provided as a separate compressed electronic file deliverable.

3.2 Investigative Results

The GPR survey identified the former Woods Brook channel alignment (Figure 5). The geophysical report from New York Leak Detection (NYLD) is presented in Appendix B and presents a series of GPR profiles transverse to the former Woods Brook alignment that show classic surface reflections of an infilled trench.

Logs for soil borings OS-SCB-1 to -8 are presented in Appendix C. The clay layer was not encountered in soil borings OS-SCB-1 to -3 located along the northern end of the former Woods Brook alignment. The soil borings extended to the top of till and/or bedrock which occurs at 26, 24 and 23 feet bgs, respectively. The clay was encountered in the southernmost two soil borings (OS-SCBs -4 and -5) that extended two feet into the top of the clay, which occurs at 18.5 and 17.5 feet bgs, respectively.

Soil results are presented in Table 2 and are compared to the NYS Part 375 Soil Cleanup Objectives (SCOs) for VOCs and SVOCs. Primary detected VOCs are 1,1,1-TCA and TCE and those results are presented in Figure 5 and summarized in Table 3 below wherein exceedances of the protection of groundwater SCOs are identified.

Table 3
Summary of 1,1,1-TCA and TCE in Soil Samples

Soil Boring Location ID /Compound	Sample Intervals In Feet and Detected Concentrations in Micrograms per Kilogram (µg/kg)				
OS-SCB-1	**9-11'**	**14-16'**	**24-26.2'**		
1,1,1-TCA	5.6 U	6.2 U	38 U		
TCE	**1.3 J**	**1.7 J**	**42**		
OS-SCB-2	**8-10'**	**14-16'**	**22-24'**		
1,1,1-TCA	44 U	**14 J**	70 U		
TCE	**73**	**89**	**690**		
OS-SCB-3	**10-12'**	**14-16'**	**16-18'**	**18-20'**	**21-23'**
1,1,1-TCA	5.3 U	5.3 U	**0.68 J**	**11**	**57**
TCE	5.3 U	5.3 U	5.2 U	**9.3**	**2,300**
OS-SCB-4	**8-10'**	**18-20'**			
1,1,1-TCA	**940**	**29 J**			
TCE	**3,300**	**320**			
OS-SCB-5	**8-10'**	**10-12'**	**16-18'**		
1,1,1-TCA	**11,000**	**11,000**	**110**		
TCE	**19,000**	**9,600**	**160**		
OS-SCB-6	**14.8-16.3'**	**14.8-16.3'**	**16.3-17.7'**		
1,1,1-TCA	**820 U**	**180 J**	**650 U**		
TCE	**34,000**	**27,000**	**34,000**		
OS-SCB-7	**17.7-20.5**				
1,1,1-TCA	**150**				
TCE	**3,100**				
OS-SCB-8	**14.8-16.3'**	**16.3-17.7'**			
1,1,1-TCA	300 U	630 U			
TCE	**20,000**	**27,000**			

NYS Part 375 SCO [µg/kg]	1,1,1-TCA	TCE
Unrestricted Use	680	470
Protection of Groundwater	680	470
Restricted Commercial	500,000	200,000
Restricted Industrial	1,000,000	400,000

= Concentration Exceeds Protection of Groundwater SCO

Soil Borings OS-SCB-01 through -05: In general, concentrations of TCE and 1,1,1-TCA decrease from boring locations OS-SCB-5 to OS-SCB-1 at all depths with increasing distance from the abandoned culvert structure to the north. TCE and 1,1,1-TCA concentrations in all soil samples from borings OS-SCB-1 through OS-SCB-5 from all depths are well below the SCOs for commercial use; five samples from OS-SCB-2 to -5 show exceedances of SCOs for protection of groundwater.

Soil Borings OS-SCB-06 through -08: All VOC detections in soil samples collected from the angled borings beneath the culvert structure and the roadway were well below their respective commercial SCOs. TCE and 1,1-Dichloroethane were detected at concentrations exceeding their respective SCOs for protection of groundwater in six and five samples, respectively. 1,1,1-TCA was observed in two samples but at concentrations below its respective SCO for protection of groundwater.

4. MATERIAL REMOVAL & CLEANING

The culvert IRM was completed during 17 February to 3 March 2020. The following sections discuss the sequencing of the work, how the work was completed and results. The culvert IRM was a confined space entry. Elevated VOC concentrations were measured in the ambient air within the culvert, and appropriate health and safety measures were implemented including ventilation, odor control, and respiratory protection (air purifying respirators and supplied breathing air). Upwind and downwind CAMP monitoring stations were setup for every day of field work to monitor VOCs and respirable dust in ambient air. A photo log chronicling the work is presented in Appendix D.

4.1 Accessing the Structure

4.1.1 Re-Open Box Culvert (Remove Stone Fill)

The first step was to re-open the culvert structure excavation at the location where the Village sewer project breached the structure and that Honeywell temporarily backfilled with crusher-run stone. The crusher-run stone had been segregated from the materials found within the culvert with a demarcation barrier of low-density polyethylene sheeting (a.k.a. poly sheeting). Backfill above the poly sheeting was removed by mechanical (track hoe) and hand digging and staged as clean fill for reuse. Wooden timbers placed in the upper portion of the culvert breach to support the backfill were removed. The timbers were presumed to be free of impact from contaminated media and along with other material recovered from the excavation that was not reusable as backfill was placed in a waste dumpster and handled as general construction debris.

4.1.2 Culvert Air Sampling

Two air samples (a primary and duplicate) were collected from within the culvert prior to removing the timbers. An ambient air sample was also concurrently collected. The two culvert air samples (JS-CULVERT AIR - 01 & -02) and the ambient air sample (JS-CULVERT AIR–OA) were collected as five-minute grab samples using six-liter Summa canisters outfitted with calibrated regulators. In order to collect samples representative of the atmosphere within the unopened structure, the two culvert air sample regulators were connected to lengths of polyethylene tubing that were inserted several feet into the small openings between the timbers and the roof of the structure. The samples were transported under chain of custody to a NYSDOH-approved environmental laboratory for VOC analysis by USEPA Method TO-15 and the results are presented in Table 4.

Primary constituents detected in the culvert air samples were 1,1,1-TCA and TCE. These compounds were also detected in the ambient air sample but at concentrations three orders of magnitude lower than the culvert air samples. A summary is provided in Table 5 below.

Table 5
Summary of 1,1,1-TCA and TCE in Air Samples

Compound	Culvert Air		Ambient Air
1,1,1-TCA	42,000	41,000	14
TCE	5,000	4,900	1.6 J

Concentrations in micrograms per cubic meter ($\mu g/m^3$).

4.2 Concrete Rubble Removal

Large concrete rubble, steel rebar, and fill stone under the demarcation barrier were removed to access the impacted materials within the culvert. To the extent practical, this material was removed using a mechanical excavator with bucket and/or grapple. Large concrete rubble and rebar was assessed for apparent cross-contamination (visible due to the contrast of dark materials and lightly colored concrete). Concrete rubble assessed to be largely free of materials was stockpiled on poly sheeting for use as backfill. Stone and smaller concrete material toward the bottom of the structure

was observed to be contaminated and was loaded into a lined roll-off container for disposal with materials.

A test pit was mechanically dug to confirm the depth of the materials within the structure. It was determined that the structure was an open-bottom structure without a concrete floor. The VOC-impacted materials were approximately eight feet thick and extended to the top of the clayey silt that underlies the area of the culvert and the Site at approximately 12 feet bgs. The field program was adjusted to manage these identified conditions that included deeper excavation and management of a larger volume of materials for off-Site disposal.

4.3 Material Removal

4.3.1 Southern Reach

The concrete roof of the structure was exposed on the south side of John Street by removal of the overlying roadway surface and subbase (observed to be several layers of brick) from on top of and extending approximately 3 feet on both sides of the structure. These materials were assessed to be uncontaminated and stockpiled on poly sheeting for use as backfill.

Once uncovered, an approximately 20-foot long section of the concrete roof was removed extending from the Village sewer project open excavation area southerly to the known utilities (water, fiber-optic and copper communication lines) located in the eastbound lane of John Street. The concrete roof was saw-cut and removed in several sections using an excavator bucket lift. Prior to removal, plywood sheeting was placed beneath each concrete section to prevent concrete pieces from potentially contacting the contaminated materials as the roof removal advanced. Unstained, uncontaminated roof sections were staged in the work zone for reuse as structural fill. Concrete rubble that contacted the materials in the culvert were decontaminated and sent offsite for disposal as solid waste. Once the roof was removed, materials within the structure were removed using mechanical means to the extent practical and transferred to either lined roll-off containers that were then covered or placed in a stock pile area on the Site constructed of multiple layers of poly sheeting and covered.

Near the southern end of the culvert, a water line and a copper communications line penetrated, and crossed within, the culvert structure. Shallower fiber-optic lines crossed the roof of the structure and were encased in concrete. These utilities are all in close proximity to one another and this location was deemed a “no-dig utility zone” where an approximately 10-foot wide section of the roof was not removed to protect the utilities. Impacted materials were later partially removed under this roof section by hand digging. A sanitary sewer line that had been abandoned by grouting as part of the Village sewer project crossed the structure further to the north. This sewer line was removed with approval from the Village to facilitate the removal activities.

Further investigation south of the no-dig utility zone determined that the existing culvert structure did not extend onto the Site property. Instead, a zone of flagstones presumably from the former building foundation were encountered. Consequently, no further removal activities occurred on the Site that would have infringed on and disturbed the groundwater interim remedial measure treatment area operating at the Site.

The walls of the culvert structure were constructed on spread footings set upon the clay layer occurring at approximately 12 feet bgs. The materials between the walls were a mixture of silt, sand, gravel, stones, cobbles and boulders typical of a stream bed. Although liquids were intermittently observed weeping from the working face of the excavation at approximately six to eight feet bgs, significant groundwater was not encountered and no water management was required.

Once all materials were removed to the physical limits of the track hoe, a bobcat equipped with rubber tracks was lowered into the excavation to remove the remaining materials in the bottom of the excavation down to the top of the clay, manage materials removed by hand digging beneath the

southern roof section that had been left in-place (due to the utilities), and facilitate removal of materials from the northern reach of the culvert structure.

Excavation deeper than the culvert wall footing (~12 bgs) was not possible to due to the potential to undermine the footings and cause structural instability. Hand digging beneath the southern roof section continued until visibly/grossly contaminated material was no longer encountered. Further digging was then suspended due to worker safety concerns and protection of the utilities.

4.3.2 Northern Reach

The northern reach was a short segment of intact culvert structure about 10 feet long beginning at the edge of the sidewalk on the northern side of John Street and terminating on the adjacent commercial property. This section of the culvert was left intact to limit impacts to the sidewalk and neighboring commercial property fence and grounds. Removal of the materials in this reach of the culvert was accomplished using the rubber-tracked bobcat. Materials removal advanced to the northern terminus of the culvert roof/walls and down to the top of the clay. Visibly/grossly contaminated material was no longer encountered, and further digging was not possible beyond the culvert terminus. Excavation deeper than the culvert wall footing (~12 bgs) was not possible due to the potential to undermine the footings and cause structural instability.

4.4 Post-Remedial Soil Sampling, Analysis & Results

A 5-gallon bucket of the materials removed from the culvert was collected, covered, and has been retained as reference material should any future additional testing be desired. This material is securely stored in the suitable storage container on the Site.

In consultation with NYSDEC, eight end-point (EP) post-IRM samples were collected from the bottom and ends of the culvert once the excavation no longer showed visibly/grossly contaminated material. Sample locations are shown on Figure 5.

Soil samples were collected to characterize the clay floor and vertical excavation face soil quality as summarized in Table 6 below:

Table 6
Summary of End-Point Post-IRM Soil Samples

Sample ID	Depth Interval (ft. bgs)	Criteria for Selection
EP-01	~12	Floor Sample @ Clay
EP-02	~12	Floor Sample @ Clay
EP-03	~6	South Wall Sample
EP-04	~8	South Wall Sample
EP-05	~10	South Wall Sample
EP-06	~6	North Wall Sample
EP-07	~8	North Wall Sample
EP-08	~10	North Wall Sample

4.4.1 Soil Sample Analyses

All end-point soil samples were analyzed for TCL VOCs and TCL SVOCs using USEPA Methods 8260C and 8270D. Soil samples for TCL VOC analyses were collected/prepared using USEPA Method 5035 where five grams of soil are weighed in the field and added to 40-milliliter vials containing methanol or sodium bisulfate preservative. The remaining samples were unpreserved. Samples were transported under chain of custody to Eurofins TestAmerica LLC.

4.4.2 End-Point Soil Sample Results

Soil results are presented in Table 7 and are compared to NYS Part 375 SCOs for VOCs and SVOCs. Primary detected VOCs are 1,1,1-TCA and TCE and those results are shown in Figure 5. Post-IRM soil sampling results indicate VOC impacts to soil in the floor, north and south excavation walls at concentrations in excess of the SCOs for protection of groundwater but well below the SCOs for commercial use.

4.5 Backfill

The structure was backfilled in sequential lifts. First, the stockpiled clean concrete slabs/rubble was placed into the culvert bottom which was then followed by the stockpiled material removed from above the culvert (roadway, subbase and brick) in tamped lifts. The remaining five feet to grade was backfilled using crusher run stone from the Cropseyville Stone Quarry that was placed in one-foot lifts, tamped using the track hoe bucket and by personnel using a vibratory plate tamper. The fill was completed flush with existing grade of John Street.

The Work Plan anticipated that remaining VOC/SVOC-impacted materials within the culvert structure might be managed by the application of flowable fill and/or a carbon-based absorptive amendment. However, in consultation with NYSDEC, it was determined that application of amendments would not provide for any additional benefit. Instead, the extents of the excavation depth were demarcated using poly sheeting and poly construction fencing before backfilling of the excavation.

4.6 Roadway Surface Restoration

Backfill of the excavation was brought even with the surrounding grade to allow use of the road to traffic. The Village Superintendent of Highways inspected the backfill and indicated that pavement restoration was not required because the Village had a paving project planned for early spring that included John Street. The paving project was subsequently completed in May 2020.

4.7 Wastes, Management & Disposal

4.7.1 Wastes

Wastes requiring disposal included: the removed materials, concrete rubble and steel rebar, poly-liner materials, wood, wash down water, personal protective equipment/clothing, and decontamination water.

4.7.2 Waste Management

All materials/waste were managed within the secured, fenced limits of the Site.

The removed materials were directly loaded into lined roll-off containers that were then covered or placed in a stockpile area on the Site constructed of multiple layers of poly sheeting and covered. The required method for disposal of the materials was thermal treatment where the residuals were disposed of in a hazardous waste landfill. An estimated 15% of these materials were stones, cobbles and large concrete chunks greater than four inches in diameter and would not be accepted at the receiving hazardous waste disposal facility. In consultation with NYSDEC, the material from the stock pile and lined roll-off containers was processed through the shaker sieve to segregate the cobbles, boulders, and concrete chunks from the finer materials that were conveyed back into lined roll-off containers for transport to the receiving hazardous waste disposal facility for incineration.

The segregated stones, cobbles and concrete chunks were cleaned by steam/pressure washing in a dewatering box and stockpiled onsite. An ERM geologist inspected the steam-cleaned materials for visual, olfactory, and/or PID evidence of potential contamination and found no indication of contamination. The cobbles and boulders are crystalline igneous and metamorphic rocks with very

low matrix porosity. The concrete chunks that fell into the culvert during demolition were only in contact with the impacted soil or groundwater for a short time and do not exhibit any staining or other evidence of potential contamination. Hence, these thoroughly screened and steam-cleaned non-soil materials do not present a source of contamination that may leach to the ground surface and were stockpiled on the Site. NYSDEC approved keeping the materials onsite for re-use on 6 May 2020[1].

All other wastes generated from the investigative and IRM actions were placed in new Department of Transportation (DOT) approved 55-gallon steel drums or 275-gallon poly liquid totes. Drummed and toted wastes were staged in the existing designated hazardous waste accumulation area (secured intermodal container [Conex]). All containers containing wastes were properly labeled per NYSDEC, USEPA and/or USDOT requirements. The waste containers remained staged at the Site prior to manifesting and shipment for offsite disposal.

4.7.3 Disposal

The timbers were presumed to be free of impact from contaminated media and along with other material recovered from the excavation that was not reusable as backfill was placed in a waste dumpster and handled as general construction debris.

All other materials generated from the work were managed and disposed of as F002 hazardous waste by Heritage Environmental Services at their Liverpool Ohio facility (Heritage Thermal Services, Inc.) where these materials were thermally treated in a rotary kiln incinerator. Residual slag was then removed and shipped to a hazardous waste landfill for disposal.

In summary, disposed wastes included 147 tons of materials removed from the culvert, and 1,265 gallons of decontamination wastewater in 13 drums and (2) 275-gallon totes.

Waste disposal summaries for roll-off containers, and drums/totes are presented in Tables 8 and 9, respectively. Copies of all hazardous waste manifests and certificates of management are presented in Appendix E.

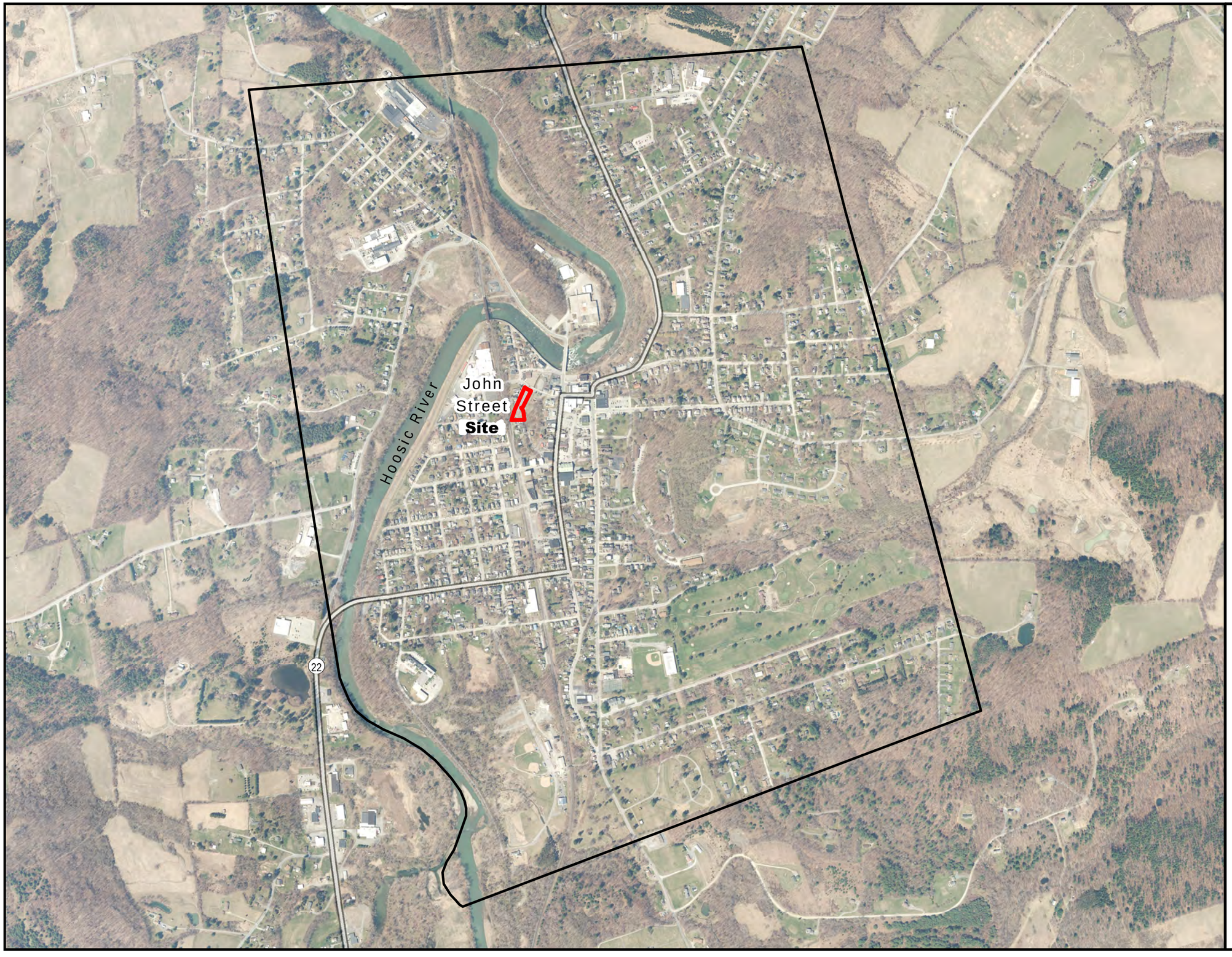
[1] 6 May 2020 Email communication from Barbara Firebaugh, P.G. of NYSDEC to Tim Johnson, Anchor QEA

5. SUMMARY & RECOMMENDATIONS

- **Soil Borings OS-SCB-01 through -05:** Soil boring/sampling investigative results indicate VOC impacts to soil within the former Woods Brook alignment at concentrations in excess of the SCOs for protection of groundwater rapidly decline with distance northerly across the commercial property. In general, concentrations of TCE and 1,1,1-TCA decrease from OS-SCB-5 to OS-SCB-1 at all depths with increasing distance from the culvert structure to the north. TCE and 1,1,1-TCA concentrations in all soil samples from borings OS-SCB-1 through OS-SCB-5 from all depths are well below the SCOs for commercial use, although five samples from OS-SCB-2 to -5 show exceedances of SCOs for protection of groundwater.
- **Soil Borings OS-SCB-06 through -08:** All VOC detections in soil samples collected from the angled borings beneath the culvert structure and the roadway were well below their respective commercial SCOs. TCE and 1,1-Dichloroethane were detected at concentrations exceeding their respective SCOs for protection of groundwater in six and five samples, respectively. 1,1,1-TCA was observed in two samples but at concentrations below its respective SCO for protection of groundwater.
- Materials removal beneath the southern roof section continued until visibly/grossly contaminated material was no longer encountered and accessibility was restricted.
- Materials removal advanced to the northern terminus of the culvert roof/walls and down to the top of the clayey silt. At this point, visibly/grossly contaminated material was no longer encountered, and further digging was not possible beyond the culvert terminus.
- Materials removal extended down to and into the top of the clayey silt ~12 feet bgs across the entire footprint of the culvert excavation. Excavation deeper than the culvert wall footing (~12 bgs) was not possible to due to the potential to undermine the footings that could result in structural instability.
- Post-IRM soil sampling results indicate VOC impacts to soil in the floor, north and south excavation walls at concentrations in excess of the SCOs for protection of groundwater but are well below the SCOs for commercial use.
- In summary, a major source of contamination was addressed with 147 tons of material impacted by source-level concentrations of contaminants were removed from the culvert and 1,265 gallons of decontamination wastewater were taken offsite for disposal.

No further remedial actions are recommended at this time. Remedial alternatives will be evaluated as a component of the John Street feasibility study.

FIGURES



Legend

- Approximate Property Boundaries
- Village of Hoosick Falls Boundary
- State Route 22

N

0 0.05 0.1 0.2 0.3

Miles

Figure 1: **Property Location**
Former Oak Materials Fluorglas Division
John Street Site
Village of Hoosick Falls, New York

ERM

Q:\Team\DMMV\Clients_A_E\Arnold and Porter\Hoosick Falls\MXD\SC Report\John St_Revision\Figure1_PropertyLocations_20180921.mxd - Dana.Heisinkveld - 10/3/2018

Legend

- Approximate Site Boundary
- Village of Hoosick Falls Boundary
- Waterbody
- Hoosick Town Boundary
- Elevation Contours (10 foot)
- Elevation Contours (2 foot)

N

0 25 50 100 150 200

Feet

Figure 2: Site Layout
Former Oak Materials Fluorglas Division
John Street Site
Village of Hoosick Falls, New York

ERM

Legend

Alignment of Former Woods Brook

Utility Points

- Other
- Sanitary Sewer Manhole
- Storm Drain
- Water

Utility Lines

- Telecommunication
- Overhead
- Sanitary Sewer
- Storm Sewer
- Water

N

0 5 10 20 30 40
Feet

Figure 3: Former Box Culvert Layout
Former Oak Materials Fluroglas Division
John Street Site
Village of Hoosick Falls
New York

ERM

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Approximate Outline of GPR Survey Area

Alignment of Former Woods Brook Channel

OS-SCB-1

OS-SCB-2

OS-SCB-3

OS-SCB-4

OS-SCB-5

OS-SCB-6

OS-SCB-7

OS-SCB-8

Woods Brook Culvert

Area of Shallow Groundwater IRM
PDI and Injections - No Culvert Encountered

John Street Site

Legend

- Angled Soil Boring Location
- Alignment of Former Woods Brook

Utility Points

- Other
- Sanitary Sewer Manhole
- Storm Drain
- Water

Utility Lines

- Telecommunication
- Overhead
- Sanitary Sewer
- Storm Sewer
- Water

N

0 5 10 20 30 40
Feet

Figure 4: Investigative Locations
Former Oak Materials Fluroglas Division
John Street Site
Village of Hoosick Falls
New York

ERM

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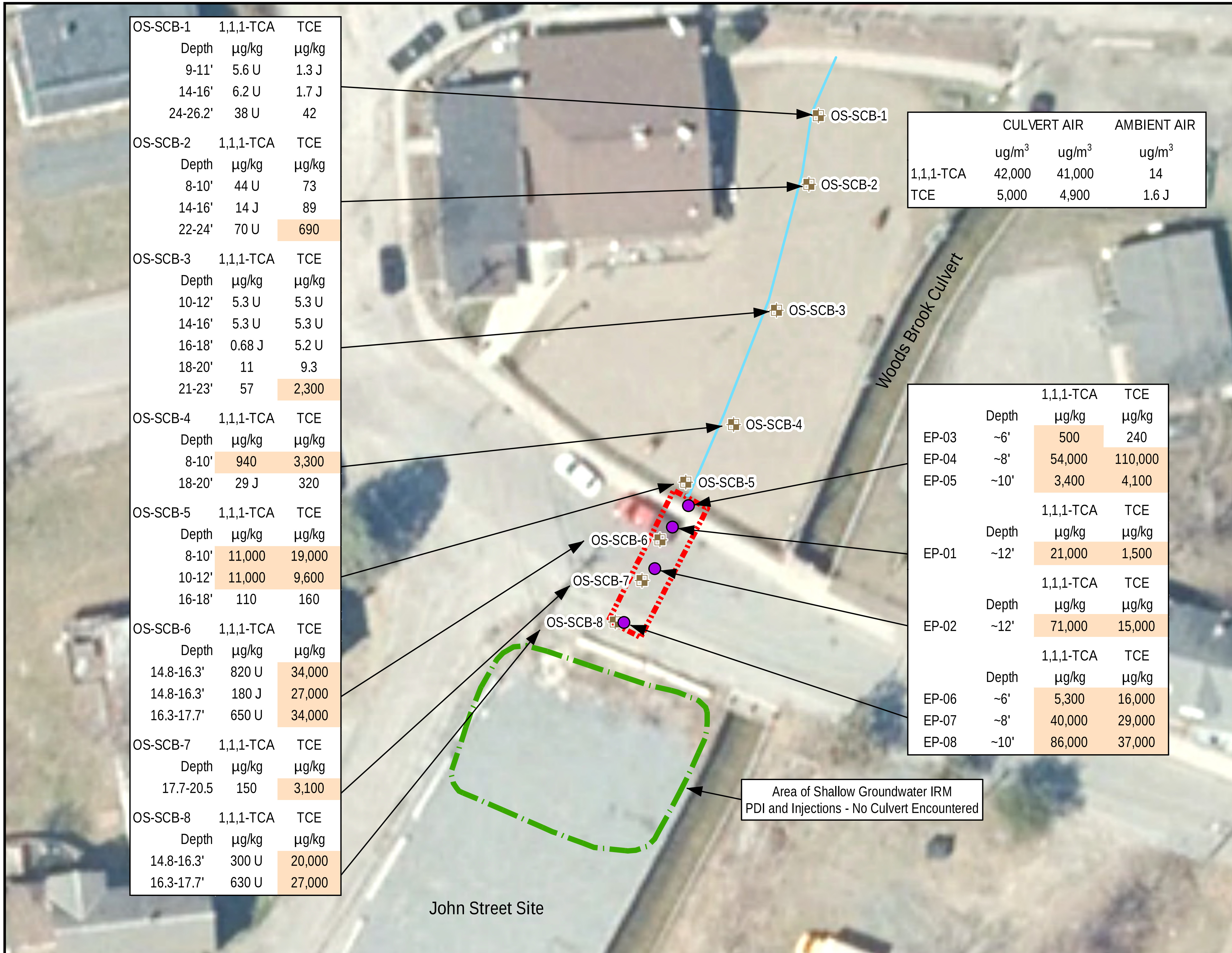


OS-SCB-1	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
9-11'	5.6 U	1.3 J
14-16'	6.2 U	1.7 J
24-26.2'	38 U	42

OS-SCB-2	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
8-10'	44 U	73
14-16'	14 J	89
22-24'	70 U	690

OS-SCB-3	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
10-12'	5.3 U	5.3 U
14-16'	5.3 U	5.3 U
16-18'	0.68 J	5.2 U
18-20'	11	9.3
21-23'	57	2,300

OS-SCB-4	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
8-10'	940	3,300
18-20'	29 J	320

OS-SCB-5	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
8-10'	11,000	19,000
10-12'	11,000	9,600
16-18'	110	160

OS-SCB-6	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
14.8-16.3'	820 U	34,000
14.8-16.3'	180 J	27,000
16.3-17.7'	650 U	34,000

OS-SCB-7	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
17.7-20.5	150	3,100

OS-SCB-8	1,1,1-TCA	TCE
Depth	µg/kg	µg/kg
14.8-16.3'	300 U	20,000
16.3-17.7'	630 U	27,000

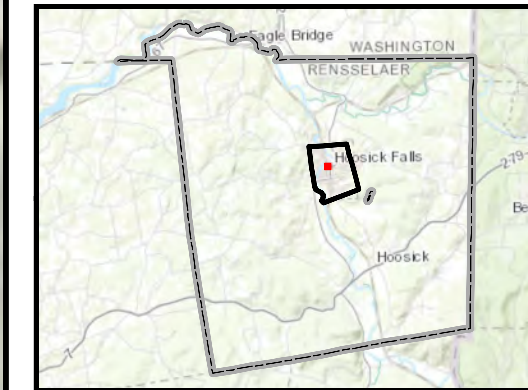
	CULVERT AIR		AMBIENT AIR
	ug/m³	ug/m³	ug/m³
1,1,1-TCA	42,000	41,000	14
TCE	5,000	4,900	1.6 J

		1,1,1-TCA	TCE
	Depth	µg/kg	µg/kg
EP-03	~6'	500	240
EP-04	~8'	54,000	110,000
EP-05	~10'	3,400	4,100

		1,1,1-TCA	TCE
	Depth	µg/kg	µg/kg
EP-01	~12'	21,000	1,500

		1,1,1-TCA	TCE
	Depth	µg/kg	µg/kg
EP-02	~12'	71,000	15,000

		1,1,1-TCA	TCE
	Depth	µg/kg	µg/kg
EP-06	~6'	5,300	16,000
EP-07	~8'	40,000	29,000
EP-08	~10'	86,000	37,000



Legend

- Post-Remedial Sample Location
- Soil Boring Location
- Alignment of Former Woods Brook
- Limits of Excavation

NYS Part 375 SCO Exceedance Values

SCO [µg/kg]	1,1,1-TCA	TCE
Unrestricted Use	680	470
Protection of Groundwater	680	470
Restricted Commercial	500,000	200,000
Restricted Industrial	1,000,000	400,000

NOTES:
All soil results are reported in µg/kg
All air results are reported in µg/m³
µg/m³ = micrograms per cubic meter
µg/kg = micrograms per kilogram
J = approximate value
U = compound not detected

0 5 10 20 30 40
Feet

N

Figure 5: Investigative and Post-Remedial Soil Sample Results: 1,1,1-TCA and TCE
Former Oak Materials Fluroglas Division
John Street Site
Village of Hoosick Falls
New York

ERM

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TABLES

Table 2
Investigative Soil Boring Analytical Results for VOCs and SVOCs
Former Oak Materials Fluorglas Division - John Street Culvert

Analyte	Unit	NY375 1UNRES	NY375 2RPGW	NY375 3RRES	NY375 4RRRES	NY375 5RCOMM	NY375 6RINDU	NY375 7PER	Location ID	OS-SCB-1	OS-SCB-1	OS-SCB-1	OS-SCB-2	OS-SCB-2	OS-SCB-2	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-4	OS-SCB-4	OS-SCB-5	OS-SCB-5	OS-SCB-5	OS-SCB-6	OS-SCB-6	OS-SCB-6	OS-SCB-7	OS-SCB-8	OS-SCB-8
									Sample Date	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/5/2020	2/5/2020	2/5/2020	2/5/2020	2/4/2020	2/4/2020
									Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
									Validated - Y/N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
									Sample Depth	9 - 11 ft	14 - 16 ft	24 - 26.2 ft	8 - 10 ft	14 - 16 ft	22 - 24 ft	10 - 12 ft	14 - 16 ft	16 - 18 ft	18 - 20 ft	21 - 23 ft	8 - 10 ft	18 - 20 ft	8 - 10 ft	10 - 12 ft	16 - 18 ft	14.8-16.3'	14.8-16.3'	16.3-17.7'	17.7-20.5	14.8-16.3'	16.3-17.7'
VOCs																															
1,1,1-Trichloroethane (TCA)	ug/kg	680	680	100000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	**14 J**	70 U	5.5 U	5.3 U	**0.68 J**	**11**	**57**	**940**	**29 J**	**11000**	**11000**	**110**	**180 J**	820 U	650 U	**150**	300 U	630 U
1,1,2,2-Tetrachloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 UJ	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,1,2-Trichloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	**86 J**	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,1-Dichloroethane	ug/kg	270	270	19000	26000	240000	480000	NS		5.6 U	6.2 U	**61**	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	**2.8 J**	50 U	110 U	**56 J**	460 U	390 U	55 U	**340 J**	**450 J**	**630 J**	**69**	**370**	**520 J**
1,1-Dichloroethene	ug/kg	330	330	100000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	**60**	110 U	73 U	**290 J**	390 U	55 U	540 U	820 U	650 U	**24 J**	**210 J**	**220 J**
1,2,4-Trichlorobenzene	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,2-Dibromo-3-Chloropropane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,2-Dichlorobenzene	ug/kg	1100	1100	100000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,2-Dichloroethane	ug/kg	20	20	2300	3100	30000	60000	10000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,2-Dichloropropane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,3-Dichlorobenzene	ug/kg	2400	2400	17000	49000	280000	560000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
1,4-Dichlorobenzene	ug/kg	1800	1800	9800	13000	130000	250000	20000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
2-Hexanone	ug/kg	NS	NS	NS	NS	NS	NS	NS		28 U	31 U	190 U	220 U	250 U	350 U	28 U	27 U	26 U	31 U	250 U	540 U	360 U	2300 U	1900 U	280 U	2700 U	4100 U	3300 U	280 U	1500 U	3100 U
Acetone	ug/kg	50	50	100000	100000	500000	1000000	2200		**20 J**	**17 J**	190 U	220 U	250 U	350 U	**27 J**	27 U	**38**	**16 J**	250 U	540 U	360 U	2300 U	1900 U	280 U	2700 U	4100 U	3300 U	280 U	1500 U	3100 U
Benzene	ug/kg	60	60	2900	4800	44000	89000	70000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Bromodichloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Bromoform	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Bromomethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Carbon Disulfide	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Carbon Tetrachloride	ug/kg	760	760	1400	2400	22000	44000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Chlorobenzene	ug/kg	1100	1100	100000	100000	500000	1000000	40000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Chloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 UJ	6.2 UJ	38 U	44 U	50 U	70 U	5.5 UJ	5.3 UJ	5.2 UJ	6.1 UJ	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Chloroform	ug/kg	370	370	10000	49000	350000	700000	12000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Chloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Cis-1,2-Dichloroethylene	ug/kg	250	250	59000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	**33 J**	110 U	73 U	**230 J**	390 U	55 U	**150 J**	820 U	650 U	**25 J**	300 U	630 U
Cis-1,3-Dichloropropene	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Cyclohexane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Dibromochloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Dichlorodifluoromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Ethylbenzene	ug/kg	1000	1000	30000	41000	390000	780000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Isopropylbenzene (Cumene)	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Methyl Acetate	ug/kg	NS	NS	NS	NS	NS	NS	NS		28 U	31 U	190 U	**300**	250 U	350 U	28 U	27 U	26 U	31 U	250 U	540 U	360 U	2300 U	1900 U	280 U	2700 U	4100 U	3300 U	280 U	1500 U	3100 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	100000	100000	500000	1000000	100000		28 U	31 U	190 U	220 U	250 U	350 U	28 U	27 U	26 U	31 U	250 U	540 U	360 U	2300 U	1900 U	280 U	2700 U	4100 U	3300 U	280 U	1500 U	3100 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	NS	NS	NS	NS	NS	NS	NS		28 U	31 U	190 U	220 U	250 U	350 U	28 U	27 U	26 U	31 U	250 U	540 U	360 U	2300 U	1900 U	280 U	2700 U	4100 U	3300 U	280 U	1500 U	3100 U
Methylcyclohexane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Methylene Chloride	ug/kg	50	50	51000	100000	500000	1000000	12000		5.6 U	6.2 U	**17 J**	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Styrene	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Tert-Butyl Methyl Ether	ug/kg	930	930	62000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Tetrachloroethylene (PCE)	ug/kg	1300	1300	5500	19000	150000	300000	2000		5.6 U	6.2 U	38 U	**79**	**39 J**	70 U	**0.87 J**	5.3 U	5.2 U	6.1 U	**11 J**	**79 J**	73 U	460 U	390 U	55 U	540 U	820 U	650 U	**21 J**	**260 J**	630 U
Toluene	ug/kg	700	700	100000	100000	500000	1000000	36000		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	**40 J**	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Trans-1,2-Dichloroethene	ug/kg	190	190	100000	100000	500000	1000000	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Trans-1,3-Dichloropropene	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 U	6.2 U	38 U	44 U	50 U	70 U	5.5 U	5.3 U	5.2 U	6.1 U	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Trichloroethylene (TCE)	ug/kg	470	470	10000	21000	200000	400000	2000		**1.3 J**	**1.7 J**	**42**	**73**	**89**	**690**	**1.5 J**	5.3 U	5.2 U	**9.3**	**2300**	**3300**	**320**	**19000**	**9600**	**160**	**27000**	**34000**	**34000**	**3100**	**20000**	**27000**
Trichlorofluoromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		5.6 UJ	6.2 UJ	38 U	44 U	50 U	70 U	5.5 UJ	5.3 UJ	5.2 UJ	6.1 UJ	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Vinyl Chloride	ug/kg	20	20	210	900	13000	27000	NS		5.6 UJ	6.2 UJ	38 U	44 U	50 U	70 U	5.5 UJ	5.3 UJ	5.2 UJ	6.1 UJ	50 U	110 U	73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Xylenes	ug/kg	260	1600	100000	100000	500000	1000000	260		11 U	12 U	76 U	88 U	100 U	140 U	11 U	11 U	10 U	12 U	100 U	220 U	150 U	910 U	770 U	110 U	1100 U	1600 U	1300 U	110 U	610 U	1300 U

Notes and Abbreviations
µg/kg - microgram per kilogram
U - Compound not detected
J - Estimated value
N - Primary sample
FD - Field duplicate sample
Bold value indicates detected value
Shaded value indicates value equal to, or greater than, standard or guidance
NY Part 375 = NYS Soil Cleanup Objective (SCO) in Title 6 of Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Subpart 375-6.8(a).

- NYS Unrestricted Use SCO
- NYS Protection of Groundwater SCO
- NYS Residential Use SCO
- NYS Restricted Residential SCO
- NYS Commercial Use SCO
- NYS Industrial Use SCO
- NYS Protection of Ecological Resources SCO

Table 2
Investigative Soil Boring Analytical Results for VOCs and SVOCs
Former Oak Materials Fluorglas Division - John Street Culvert

Analyte	Unit	NY375 1UNRES	NY375 2RPGW	NY375 3RRES	NY375 4RRRES	NY375 5RCOMM	NY375 6RINDU	NY375 7PER	Location ID	OS-SCB-1	OS-SCB-1	OS-SCB-1	OS-SCB-2	OS-SCB-2	OS-SCB-2	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-4	OS-SCB-4	OS-SCB-5	OS-SCB-5	OS-SCB-5	OS-SCB-6	OS-SCB-6	OS-SCB-6	OS-SCB-7	OS-SCB-8	OS-SCB-8
									Sample Date	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/5/2020	2/5/2020	2/5/2020	2/5/2020	2/4/2020	2/4/2020
									Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
									Validated - Y/N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
									Sample Depth	9 - 11 ft	14 - 16 ft	24 - 26.2 ft	8 - 10 ft	14 - 16 ft	22 - 24 ft	10 - 12 ft	14 - 16 ft	16 - 18 ft	18 - 20 ft	21 - 23 ft	8 - 10 ft	18 - 20 ft	8 - 10 ft	10 - 12 ft	16 - 18 ft	14.8-16.3'	14.8-16.3'	16.3-17.7'	17.7-20.5	14.8-16.3'	16.3-17.7'
SVOCs																															
1,4-Dioxane (P-Dioxane)	ug/kg	100	100	9800	13000	130000	250000	100		110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	130 U									
2,4,5-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4,6-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dimethylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dinitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U	1800 U	1800 U	2000 U	1800 U	1800 U	2200 U	9500 U	1900 U	1900 U	9500 U	2200 U	2200 U	2000 U	2300 U	2300 U
2,4-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,6-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Chloronaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Chlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
2-Methylnaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	100000	100000	500000	1000000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
2-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
3,3'-Dichlorobenzidine	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
3-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4,6-Dinitro-2-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Bromophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chloro-3-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chloroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chlorophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Methylphenol (P-Cresol)	ug/kg	330	330	34000	100000	500000	1000000	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
Acenaphthene	ug/kg	20000	98000	100000	100000	500000	1000000	20000		**51 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Acenaphthylene	ug/kg	100000	107000	100000	100000	500000	1000000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Acetophenone	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Anthracene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**87 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Atrazine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzaldehyde	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(A)Anthracene	ug/kg	1000	1000	1000	1000	5600	11000	NS		**250**	190 U	180 U	**140 J**	180 U	180 U	180 U	180 U	**140 J**	210 U	180 U	**68 J**	230 U	980 U	**42 J**	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(A)Pyrene	ug/kg	1000	22000	1000	1000	1000	1100	2600		**220**	190 U	180 U	**160 J**	180 U	180 U	180 U	180 U	**170 J**	210 U	180 U	**68 J**	230 U	**220 J**	**40 J**	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(B)Fluoranthene	ug/kg	1000	1700	1000	1000	5600	11000	NS		**320**	190 U	180 U	**210**	180 U	180 U	180 U	180 U	**200**	210 U	180 U	**110 J**	230 U	**310 J**	**43 J**	190 U	970 U	230 U	220 U	**39 J**	230 U	230 U
Benzo(G,H,I)Perylene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**150 J**	190 U	180 U	**150 J**	180 U	180 U	180 U	180 U	**120 J**	210 U	180 U	**65 J**	230 U	**250 J**	**38 J**	190 U	970 U	230 U	220 U	**33 J**	230 U	230 U
Benzo(K)Fluoranthene	ug/kg	800	1700	1000	3900	56000	110000	NS		**120 J**	190 U	180 U	**100 J**	180 U	180 U	180 U	180 U	**70 J**	210 U	180 U	**39 J**	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzyl Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Biphenyl (Diphenyl)	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroethoxy) Methane	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroisopropyl) Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Ethylhexyl) Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	**94 J**	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Caprolactam	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Carbazole	ug/kg	NS	NS	NS	NS	NS	NS	NS		**61 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Chrysene	ug/kg	1000	1000	1000	3900	56000	110000	NS		**240**	190 U	180 U	**150 J**	180 U	180 U	180 U	180 U	**150 J**	210 U	180 U	190 U	230 U	**220 J**	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dibenz(A,H)Anthracene	ug/kg	330	1000000	330	330	560	1100	NS		**47 J**	190 U	180 U	**41 J**	180 U	180 U	180 U	180 U	**33 J**	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dibenzofuran	ug/kg	7000	210000	14000	59000	350000	1000000	NS		**28 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Diethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dimethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Di-N-Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		**44 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Di-N-Octylphthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	**34 J**	210 U	180 U	**34 J**	230 U	980 U	200 U	**23 J**	970 U	230 U	220 U	200 U	230 U	230 U
Fluoranthene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**460**	190 U	180 U	**190**	180 U	180 U	180 U	180 U	**220**	210 U	180 U	**91 J**	230 U	**400 J**	**30 J**	190 U	970 U	230 U	220 U	**47 J**	230 U	230 U
Fluorene	ug/kg	30000	386000	100000	100000	500000	1000000	30000		**52 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorobenzene	ug/kg	330	3200	330	1200	6000	12000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorobutadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorocyclopentadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	8200	500	500	5600	11000	NS		**130 J**	190 U	180 U	**120 J**	180 U	180 U	180 U	180 U	**110 J**	210 U	180 U	**61 J**	230 U	**210 J**	**38 J**	190 U	970 U	230 U	220 U	**32 J**	230 U	230 U
Isophorone	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Naphthalene	ug/kg	12000	12000	100000	100000	500000	1000000	NS		**38 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	**52 J**	230 U
Nitrobenzene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
N-Nitrosodi-N-Propylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
N-Nitrosodiphenylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Pentachlorophenol	ug/kg	800	800	2400	6700	6700	55000	800		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
Phenanthrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**390**	190 U	180 U	**110 J**	180 U	180 U	180 U	180 U	**76 J**	210 U	180 U	**37 J**	230 U	**300 J**	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Phenol	ug/kg	330	330	100000	100000	500000	1000000	30000		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Pyrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**470**	190 U	180 U	**200**	180 U	180 U	180 U	180 U	**230**	210 U	180 U	**84 J**	230 U	**370 J**	**31 J**	190 U	970 U	230 U	220 U	**44 J**	230 U	230 U

Notes and Abbreviations
µg/kg - microgram per kilogram
U - Compound not detected
J - Estimated value
N - Primary sample
FD - Field duplicate sample
Bold value indicates detected value
Shaded value indicates value equal to, or greater than, standard or guidance
NY Part 375 = NYS Soil Cleanup Objective (SCO) in Title 6 of Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Subpart 375-6.8(a).

- NYS Unrestricted Use SCO
- NYS Protection of Groundwater SCO
- NYS Residential Use SCO
- NYS Restricted Residential SCO
- NYS Commercial Use SCO
- NYS Industrial Use SCO
- NYS Protection of Ecological Resources SCO

Table 2
Investigative Soil Boring Analytical Results for VOCs and SVOCs
Former Oak Materials Fluorglas Division - John Street Culvert

Analyte	Unit	NY375 1UNRES	NY375 2RPGW	NY375 3RRES	NY375 4RRRES	NY375 5RCOMM	NY375 6RINDU	NY375 7PER	Location ID	OS-SCB-1	OS-SCB-1	OS-SCB-1	OS-SCB-2	OS-SCB-2	OS-SCB-2	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-3	OS-SCB-4	OS-SCB-4	OS-SCB-5	OS-SCB-5	OS-SCB-5	OS-SCB-6	OS-SCB-6	OS-SCB-6	OS-SCB-7	OS-SCB-8	OS-SCB-8
									Sample Date	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/3/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/4/2020	2/5/2020	2/5/2020	2/5/2020	2/5/2020	2/4/2020	2/4/2020
									Sample Type	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
									Validated - Y/N	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
									Sample Depth	9 - 11 ft	14 - 16 ft	24 - 26.2 ft	8 - 10 ft	14 - 16 ft	22 - 24 ft	10 - 12 ft	14 - 16 ft	16 - 18 ft	18 - 20 ft	21 - 23 ft	8 - 10 ft	18 - 20 ft	8 - 10 ft	10 - 12 ft	16 - 18 ft	14.8-16.3'	14.8-16.3'	16.3-17.7'	17.7-20.5	14.8-16.3'	16.3-17.7'
SVOCs																															
1,4-Dioxane (P-Dioxane)	ug/kg	100	100	9800	13000	130000	250000	100		110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	120 U	110 U	110 U	130 U									
2,4,5-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4,6-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dimethylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,4-Dinitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		1800 U	1800 U	1800 U	1800 U	1800 U	1800 U	1700 U	1800 U	1800 U	2000 U	1800 U	1800 U	2200 U	9500 U	1900 U	1900 U	9500 U	2200 U	2200 U	2000 U	2300 U	2300 U
2,4-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2,6-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Chloronaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Chlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
2-Methylnaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Methylphenol (O-Cresol)	ug/kg	330	330	100000	100000	500000	1000000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
2-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
2-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
3,3'-Dichlorobenzidine	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
3-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4,6-Dinitro-2-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Bromophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chloro-3-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chloroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Chlorophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
4-Methylphenol (P-Cresol)	ug/kg	330	330	34000	100000	500000	1000000	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
4-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
Acenaphthene	ug/kg	20000	98000	100000	100000	500000	1000000	20000		**51 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Acenaphthylene	ug/kg	100000	107000	100000	100000	500000	1000000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Acetophenone	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Anthracene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**87 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Atrazine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzaldehyde	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(A)Anthracene	ug/kg	1000	1000	1000	1000	5600	11000	NS		**250**	190 U	180 U	**140 J**	180 U	180 U	180 U	180 U	**140 J**	210 U	180 U	**68 J**	230 U	980 U	**42 J**	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(A)Pyrene	ug/kg	1000	22000	1000	1000	1000	1100	2600		**220**	190 U	180 U	**160 J**	180 U	180 U	180 U	180 U	**170 J**	210 U	180 U	**68 J**	230 U	**220 J**	**40 J**	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzo(B)Fluoranthene	ug/kg	1000	1700	1000	1000	5600	11000	NS		**320**	190 U	180 U	**210**	180 U	180 U	180 U	180 U	**200**	210 U	180 U	**110 J**	230 U	**310 J**	**43 J**	190 U	970 U	230 U	220 U	**39 J**	230 U	230 U
Benzo(G,H,I)Perylene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**150 J**	190 U	180 U	**150 J**	180 U	180 U	180 U	180 U	**120 J**	210 U	180 U	**65 J**	230 U	**250 J**	**38 J**	190 U	970 U	230 U	220 U	**33 J**	230 U	230 U
Benzo(K)Fluoranthene	ug/kg	800	1700	1000	3900	56000	110000	NS		**120 J**	190 U	180 U	**100 J**	180 U	180 U	180 U	180 U	**70 J**	210 U	180 U	**39 J**	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Benzyl Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Biphenyl (Diphenyl)	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroethoxy) Methane	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Chloroisopropyl) Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Bis(2-Ethylhexyl) Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	**94 J**	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Caprolactam	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Carbazole	ug/kg	NS	NS	NS	NS	NS	NS	NS		**61 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Chrysene	ug/kg	1000	1000	1000	3900	56000	110000	NS		**240**	190 U	180 U	**150 J**	180 U	180 U	180 U	180 U	**150 J**	210 U	180 U	190 U	230 U	**220 J**	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dibenz(A,H)Anthracene	ug/kg	330	1000000	330	330	560	1100	NS		**47 J**	190 U	180 U	**41 J**	180 U	180 U	180 U	180 U	**33 J**	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dibenzofuran	ug/kg	7000	210000	14000	59000	350000	1000000	NS		**28 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Diethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Dimethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Di-N-Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		**44 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Di-N-Octylphthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	**34 J**	210 U	180 U	**34 J**	230 U	980 U	200 U	**23 J**	970 U	230 U	220 U	200 U	230 U	230 U
Fluoranthene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**460**	190 U	180 U	**190**	180 U	180 U	180 U	180 U	**220**	210 U	180 U	**91 J**	230 U	**400 J**	**30 J**	190 U	970 U	230 U	220 U	**47 J**	230 U	230 U
Fluorene	ug/kg	30000	386000	100000	100000	500000	1000000	30000		**52 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorobenzene	ug/kg	330	3200	330	1200	6000	12000	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorobutadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachlorocyclopentadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Hexachloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	8200	500	500	5600	11000	NS		**130 J**	190 U	180 U	**120 J**	180 U	180 U	180 U	180 U	**110 J**	210 U	180 U	**61 J**	230 U	**210 J**	**38 J**	190 U	970 U	230 U	220 U	**32 J**	230 U	230 U
Isophorone	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Naphthalene	ug/kg	12000	12000	100000	100000	500000	1000000	NS		**38 J**	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	**52 J**	230 U
Nitrobenzene	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
N-Nitrosodi-N-Propylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
N-Nitrosodiphenylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Pentachlorophenol	ug/kg	800	800	2400	6700	6700	55000	800		360 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U	430 U	390 U	450 U	450 U
Phenanthrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**390**	190 U	180 U	**110 J**	180 U	180 U	180 U	180 U	**76 J**	210 U	180 U	**37 J**	230 U	**300 J**	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Phenol	ug/kg	330	330	100000	100000	500000	1000000	30000		180 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U	210 U	180 U	190 U	230 U	980 U	200 U	190 U	970 U	230 U	220 U	200 U	230 U	230 U
Pyrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		**470**	190 U	180 U	**200**	180 U	180 U	180 U	180 U	**230**	210 U	180 U	**84 J**	230 U	**370 J**	**31 J**	190 U	970 U	230 U	220 U	**44 J**	230 U	230 U

Notes and Abbreviations
µg/kg - microgram per kilogram
U - Compound not detected
J - Estimated value
N - Primary sample
FD - Field duplicate sample
Bold value indicates detected value
Shaded value indicates value equal to, or greater than, standard or guidance
NY Part 375 = NYS Soil Cleanup Objective (SCO) in Title 6 of Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Subpart 375-6.8(a).

- NYS Unrestricted Use SCO
- NYS Protection of Groundwater SCO
- NYS Residential Use SCO
- NYS Restricted Residential SCO
- NYS Commercial Use SCO
- NYS Industrial Use SCO
- NYS Protection of Ecological Resources SCO

Table 4
Culvert and Ambient Air Sample Results
Former Oak Materials Fluorglas Division - John Street Culvert

Location ID		JS-CULVERT AIR - 01	JS-CULVERT AIR - 01	JS-CULVERT OA
Sample Type		N	FD	N
Sample Date		2/18/2020 11:05:00 AM	2/18/2020 11:04:00 AM	2/18/2020 11:15:00 AM
Validated - Y/N		Y	Y	Y
Analyte	**Result Unit**			
VOCs				
1,1,1-Trichloroethane (TCA)	ug/m3	**41000**	**42000**	**14**
1,1,2,2-Tetrachloroethane	ug/m3	420 U	460 U	5.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/m3	470 U	510 U	6.1 U
1,1,2-Trichloroethane	ug/m3	340 U	360 U	4.4 U
1,1-Dichloroethane	ug/m3	**44 J**	**51 J**	3.2 U
1,1-Dichloroethene	ug/m3	**46 J**	**49 J**	1.6 U
1,2,3-Trichloropropane	ug/m3	930 U	1000 U	12 U
1,2-Dichlorobenzene	ug/m3	370 U	400 U	4.8 U
1,2-Dichloroethane	ug/m3	250 U	270 U	3.2 U
1,2-Dichloropropane	ug/m3	280 U	310 U	3.7 U
1,2-Dichlorotetrafluoroethane	ug/m3	430 U	470 U	5.6 U
1,3-Dichlorobenzene	ug/m3	370 U	400 U	4.8 U
1,4-Dichlorobenzene	ug/m3	370 U	400 U	4.8 U
Allyl Chloride (3-Chloropropene)	ug/m3	190 U	210 U	2.5 U
Bromodichloromethane	ug/m3	410 U	450 U	5.4 U
Carbon Disulfide	ug/m3	480 U	520 U	6.2 U
Carbon Tetrachloride	ug/m3	170 U	190 U	**0.52 J**
Chlorobenzene	ug/m3	280 U	310 U	3.7 U
Chlorodifluoromethane	ug/m3	220 U	240 U	**0.85 J**
Chloroethane	ug/m3	160 U	180 U	2.1 U
Chloroform	ug/m3	300 U	320 U	3.9 U
Chloromethane	ug/m3	320 U	340 U	**2.1 J**
Cis-1,2-Dichloroethylene	ug/m3	120 U	130 U	1.6 U
Cis-1,3-Dichloropropene	ug/m3	280 U	300 U	3.6 U
Dibromochloromethane	ug/m3	520 U	570 U	6.8 U
Dichlorodifluoromethane	ug/m3	300 U	330 U	**2.8 J**
Methylene Chloride	ug/m3	1100 U	1200 U	14 U
Naphthalene	ug/m3	810 U	870 U	10 U
Tetrachloroethylene (PCE)	ug/m3	**64 J**	450 U	5.4 U
Toluene	ug/m3	350 U	380 U	4.5 U
Trans-1,2-Dichloroethene	ug/m3	240 U	260 U	3.2 U
Trans-1,3-Dichloropropene	ug/m3	280 U	300 U	3.6 U
Trichloroethylene (TCE)	ug/m3	**4900**	**5000**	**1.6 J**
Trichlorofluoromethane	ug/m3	350 U	370 U	**1.3 J**
Vinyl Chloride	ug/m3	79 U	85 U	1 U

Table 7
Post-Remedial End-Point Soil Sample Analytical Results for VOCs and SVOCs
Former Oak Materials Fluorglas Division - John Street Culvert

Analyte	Unit	NY375 1UNRES	NY375 2RPGW	NY375 3RRES	NY375 4RRRES	NY375 5RCOMM	NY375 6RINDU	NY375 7PER	Location ID	JS-CULVERT-EP-01	JS-CULVERT-EP-02	JS-CULVERT-EP-03	JS-CULVERT-EP-04	JS-CULVERT-EP-05	JS-CULVERT-EP-06	JS-CULVERT-EP-07	JS-CULVERT-EP-08
									Sample Date	2/24/2020 4:30:00 PM	2/24/2020 4:35:00 PM	2/26/2020 9:00:00 AM	2/26/2020 9:15:00 AM	2/26/2020 9:30:00 AM	2/26/2020 12:00:00 PM	2/26/2020 12:15:00 PM	2/26/2020 12:30:00 PM
									Sample Type	N	N	N	N	N	N	N	N
									Validated - Y/N	Y	Y	Y	Y	Y	Y	Y	Y
									Sample Depth (ft bgs)	~12	~12	~6	~8	~10	~6	~8	~10
VOCs																	
1,1,1-Trichloroethane (TCA)	ug/kg	680	680	100000	100000	500000	1000000	NS		21000	71000	500	54000 J	3400	5300	40000	86000 J
1,1,2,2-Tetrachloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 UJ	45 UJ	58 UJ	180 U	500 UJ
1,1,2-Trichloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		57 J	120 J	2.9	77 J	18 J	120	71 J	170 J
1,1-Dichloroethane	ug/kg	270	270	19000	26000	240000	480000	NS		58 U	150 J	0.66 J	360 J	45 U	36 J	110 J	500 U
1,1-Dichloroethene	ug/kg	330	330	100000	100000	500000	1000000	NS		55 J	150 J	0.9 J	190 J	45 U	32 J	180 U	500 U
1,2,4-Trichlorobenzene	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,2-Dibromo-3-Chloropropane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,2-Dichlorobenzene	ug/kg	1100	1100	100000	100000	500000	1000000	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,2-Dichloroethane	ug/kg	20	20	2300	3100	30000	60000	10000		58 U	240 U	0.35 J	230 U	45 U	31 J	180 U	500 U
1,2-Dichloropropane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,3-Dichlorobenzene	ug/kg	2400	2400	17000	49000	280000	560000	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
1,4-Dichlorobenzene	ug/kg	1800	1800	9800	13000	130000	250000	20000		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
2-Hexanone	ug/kg	NS	NS	NS	NS	NS	NS	NS		290 U	1200 U	5.2 U	1100 U	230 U	290 U	920 U	2500 U
Acetone	ug/kg	50	50	100000	100000	500000	1000000	2200		290 U	1200 U	6.3 U	1100 U	230 U	290 U	920 U	2500 U
Benzene	ug/kg	60	60	2900	4800	44000	89000	70000		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Bromodichloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Bromoform	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Bromomethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Carbon Disulfide	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Carbon Tetrachloride	ug/kg	760	760	1400	2400	22000	44000	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Chlorobenzene	ug/kg	1100	1100	100000	100000	500000	1000000	40000		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Chloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Chloroform	ug/kg	370	370	10000	49000	350000	700000	12000		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Chloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Cis-1,2-Dichloroethylene	ug/kg	250	250	59000	100000	500000	1000000	NS		40 J	120 J	1.6	1200 J	58	200	340	250 J
Cis-1,3-Dichloropropene	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Cyclohexane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	16 J	180 U	500 U
Dibromochloromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Dichlorodifluoromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Ethylbenzene	ug/kg	1000	1000	30000	41000	390000	780000	NS		58 U	240 U	1 U	230 U	45 U	37 J	180 U	500 U
Isopropylbenzene (Cumene)	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Methyl Acetate	ug/kg	NS	NS	NS	NS	NS	NS	NS		290 U	1200 U	5.2 U	1100 U	230 U	290 U	920 U	2500 U
Methyl Ethyl Ketone (2-Butanone)	ug/kg	120	120	100000	100000	500000	1000000	100000		170 J	1200 U	5.2 U	1100 U	230 U	290 U	920 U	2500 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	ug/kg	NS	NS	NS	NS	NS	NS	NS		290 U	1200 U	5.2 U	1100 U	230 U	290 U	920 U	2500 U
Methylcyclohexane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	16 J	180 U	500 U
Methylene Chloride	ug/kg	50	50	51000	100000	500000	1000000	12000		58 U	240 U	1 U	230 U	45 U	20 J	180 U	500 U
Styrene	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Tert-Butyl Methyl Ether	ug/kg	930	930	62000	100000	500000	1000000	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Tetrachloroethylene (PCE)	ug/kg	1300	1300	5500	19000	150000	300000	2000		58 U	240 U	1 U	190 J	20 J	58 U	180 U	500 U
Toluene	ug/kg	700	700	100000	100000	500000	1000000	36000		58 U	430	3.7	210 J	42 J	330	180 U	600 J
Trans-1,2-Dichloroethene	ug/kg	190	190	100000	100000	500000	1000000	NS		58 U	240 U	1 U	84 J	45 U	26 J	34 J	500 U
Trans-1,3-Dichloropropene	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 UJ	240 UJ	1 U	230 UJ	45 UJ	58 UJ	180 UJ	500 UJ
Trichloroethylene (TCE)	ug/kg	470	470	10000	21000	200000	400000	2000		1500	15000	240	110000 J	4100	16000	29000	37000 J
Trichlorofluoromethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Vinyl Chloride	ug/kg	20	20	210	900	13000	27000	NS		58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Xylenes	ug/kg	260	1600	100000	100000	500000	1000000	260		120 U	180 J	2.1 U	450 U	91 U	150	370 U	1000 U
SVOCs																	
1,4-Dioxane (P-Dioxane)	ug/kg	100	100	9800	13000	130000	250000	100									
2,4,5-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
2,4,6-Trichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
2,4-Dichlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
2,4-Dimethylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
2,4-Dinitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		300 U	310 U	290 U	290 U	290 U	300 U	300 U	290 U
2,4-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		77 U	77 U	74 U	73 U	74 U	76 U	76 U	74 U
2,6-Dinitrotoluene	ug/kg	NS	NS	NS	NS	NS	NS	NS		77 U	77 U	74 U	73 U	74 U	76 U	76 U	74 U
2-Chloronaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
2-Chlorophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
2-Methylnaphthalene	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	11 J	360 U	360 U	26 J	380 U	17 J
2-Methylphenol (O-Cresol)	ug/kg	330	330	100000	100000	500000	1000000	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
2-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 UJ	360 UJ	360 UJ	370 UJ	380 UJ	360 UJ
2-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
3,3'-Dichlorobenzidine	ug/kg	NS	NS	NS	NS	NS	NS	NS		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
3-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4,6-Dinitro-2-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		300 U	310 U	290 U	290 U	290 U	300 U	300 U	290 U
4-Bromophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Chloro-3-Methylphenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Chloroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Chlorophenyl Phenyl Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Methylphenol (P-Cresol)	ug/kg	330	330	34000	100000	500000	1000000	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Nitroaniline	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
4-Nitrophenol	ug/kg	NS	NS	NS	NS	NS	NS	NS		770 U	770 U	740 U	730 U	740 U	760 U	760 U	740 U
Acenaphthene	ug/kg	20000	98000	100000	100000	500000	1000000	20000		380 U	380 U	370 U	360 U	360 U	68 J	380 U	360 U
Acenaphthylene	ug/kg	100000	107000	100000	100000	500000	1000000	NS		8.6 J	380 U	370 U	12 J	360 U	60 J	18 J	23 J
Acetophenone	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Anthracene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		380 U	380 U	370 U	360 U	360 U	440	380 U	28 J
Atrazine	ug/kg	NS	NS	NS	NS	NS	NS	NS		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
Benzaldehyde	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Benzo(A)Anthracene	ug/kg	1000	1000	1000	1000	5600	11000	NS		38 U	38 U	36 J	13 J	32 J	2400	28 J	95
Benzo(A)Pyrene	ug/kg	1000	22000	1000	1000	1000	1100	2600		38 U	38 U	24 J	11 J	30 J	1800	14 J	56
Benzo(B)Fluoranthene	ug/kg	1000	1700	1000	1000	5600	11000	NS		38 U	38 U	36 J	61	48	2700	69	150
Benzo(G,H,I)Perylene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		34 J	380 U	22 J	360 U	170 J	560	44 J	55 J
Benzo(K)Fluoranthene	ug/kg	800	1700	1000	3900	56000	110000	NS		38 U	38 U	15 J	28 J	15 J	900	22 J	49
Benzyl Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 UJ	360 UJ	360 UJ	370 UJ	380 UJ	360 UJ
Biphenyl (Diphenyl)	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Bis(2-Chloroethoxy) Methane	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	NS	NS	NS	NS	NS	NS	NS		38 U	38 U	37 U	36 U	36 U	37 U	38 U	36 U
Bis(2-Chloroisopropyl) Ether	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Bis(2-Ethylhexyl) Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		33 J	380 U	370 U	360 U	360 U	140 J	54 J	53 J
Caprolactam	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Carbazole	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	34 J	380 U	360 U
Chrysene	ug/kg	1000	1000	1000	3900	56000	110000	NS		380 U	380 U	28 J	37 J	36 J	2100	37 J	100 J
Dibenz(A,H)Anthracene	ug/kg	330	1000000	330	330	560	1100	NS		38 U	38 U	37 U	36 U	33 J	180	38 U	17 J
Dibenzofuran	ug/kg	7000	210000	14000	59000	350000	1000000	NS		380 U	380 U	370 U	360 U	360 U	41 J	380 U	360 U
Diethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Dimethyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Di-N-Butyl Phthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Di-N-Octylphthalate	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Fluoranthene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		380 U	380 U	35 J	30 J	33 J	4200	28 J	130 J
Fluorene	ug/kg	30000	386000	100000	100000	500000	1000000	30000		380 U	380 U	370 U	360 U	360 U	94 J	380 U	11 J
Hexachlorobenzene	ug/kg	330	3200	330	1200	6000	12000	NS		38 U	38 U	37 U	36 U	36 U	37 U	38 U	36 U
Hexachlorobutadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		77 U	77 U	74 U	73 U	74 U	76 U	76 U	74 U
Hexachlorocyclopentadiene	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Hexachloroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS		38 U	38 U	37 U	36 U	36 U	37 U	38 U	36 U
Indeno(1,2,3-C,D)Pyrene	ug/kg	500	8200	500	500	5600	11000	NS		28 J	38 U	37 U	47	160	880	50	75
Isophorone	ug/kg	NS	NS	NS	NS	NS	NS	NS		150 U	150 U	150 U	150 U	150 U	150 U	150 U	150 U
Naphthalene	ug/kg	12000	12000	100000	100000	500000	1000000	NS		14 J	380 U	440	46 J	320 J	1700	210 J	1200
Nitrobenzene	ug/kg	NS	NS	NS	NS	NS	NS	NS		38 U	38 U	37 U	36 U	36 U	37 U	38 U	36 U
N-Nitrosodi-N-Propylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		38 U	38 U	37 U	36 U	36 U	37 U	38 U	36 U
N-Nitrosodiphenylamine	ug/kg	NS	NS	NS	NS	NS	NS	NS		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Pentachlorophenol	ug/kg	800	800	2400	6700	6700	55000	800		300 U	310 U	290 U	290 U	290 U	300 U	300 U	290 U
Phenanthrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		380 U	380 U	19 J	360 U	20 J	1600	18 J	75 J
Phenol	ug/kg	330	330	100000	100000	500000	1000000	30000		380 U	380 U	370 U	360 U	360 U	370 U	380 U	360 U
Pyrene	ug/kg	100000	1000000	100000	100000	500000	1000000	NS		380 U	380 U	35 J	16 J	29 J	3800	28 J	130 J

Notes and Abbreviations
µg/kg - microgram per kilogram
U - Compound not detected
J - Estimated value
N - Primary sample
FD - Field duplicate sample
Bold value indicates detected value
Shaded value indicates value equal to, or greater than, standard or guidance
NY Part 375 = NYS Soil Cleanup Objective (SCO) in Title 6 of Official Compilation of New York Codes, Rules and Regulations (6 NYCRR) Subpart 375-6.8(a).

- NYS Unrestricted Use SCO
- NYS Protection of Groundwater SCO
- NYS Residential Use SCO
- NYS Restricted Residential SCO
- NYS Commercial Use SCO
- NYS Industrial Use SCO
- NYS Protection of Ecological Resources SCO

Table 8
Soil Transport and Disposal Summary
Former Oak Materials Fluorglas Division - John Street Culvert

Roll-Off ID No.	Date Segregated/Filled	Pickup Date	Waste Classification	Heritage Wastestream No.	Manifest No.	Wt. of Soil (lbs)
RT-3030	3/11/20	3/13/20	Hazardous F002	158704-11	001025520	24,300
RT-2878	3/11/20	3/13/20	" "	" "	001025521	30,360
48297	3/12/20	3/30/20	" "	" "	001025529	32,940
48250	3/12/20	4/1/20	" "	" "	001025530	33,520
48189	3/16/20	3/30/20	" "	" "	001025528	27,860
RO-347	3/16/20	3/23/20	" "	" "	001025525	25,820
RO-567	3/16/20	3/27/20	" "	" "	001025527	21,160
RO-637	3/18/20	3/23/20	" "	" "	001025524	21,800
RO-472	3/18 & 3/23	3/27/20	" "	" "	001025526	21,500
RO-356	3/18/20	3/20/20	" "	" "	001025523	20,640
M0J3V9U5	3/18/20	3/20/20	" "	" "	001025522	33,320

Note: 1) RO-472 contained soil, decon pad poly & PPE

Total Amt of Soil (lbs)	**293,220**
Total Amt of Soil (tons)	**146.6**

Table 9
Waste Water Transport and Disposal Summary
Former Oak Materials Fluorglas Division - John Street Culvert

Drum Number	Contents	Accumulation Start Date	Waste Pick-up Date	Waste Classification	Heritage WS Number	BOL/Manifest Number	Origin
220	Decon & Rinse Water - Culvert IRM	3/20/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Decon of rolloff RT2878 & rinse water from washing cobbles
221	Rinse Water - Culvert IRM	3/20/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
222	Rinse Water - Culvert IRM	3/20/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
223	Rinse Water - Culvert IRM	3/20/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
224	Semi-solids & polymer - Culvert IRM	3/23/2020	4/17/2020	Hazardous F002	158704-3	001025579WAS	Semi-solids from dewatering container from washing cobbles
225	Semi-solids & polymer - Culvert IRM	3/23/2020	4/17/2020	Hazardous F002	158704-3	001025579WAS	Semi-solids from dewatering container from washing cobbles
226	Decon Water - Culvert IRM	3/23/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Decon of screen machine
227	Decon Water - Culvert IRM	3/23/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Decon of screen machine
228	Purge Water - GW IRM Sampling	3/25 - 3/27/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	JS onsite & offsite wells; contents of container #214 transferred to drum on 4/3/20
229	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
230	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
231	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
232	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
233	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
Tote ID							
1	Decon water - RI	1/27/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Clear water from frac tank cleaning
2	Decon water - RI	1/27/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Clear water from frac tank cleaning
A	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
B	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles

APPENDICES

APPENDIX A LABORATORY DATA DELIVERABLE USABILITY REPORTS

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: February 28, 2020

SDG : 480-165905-1

Laboratory: Test America, Buffalo, New York

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	OS-SCB-1(14-16)(02032020)	480-165905-1	Solid
02	OS-SCB-1(24-26.2)(02032020)	480-165905-2	Solid
03	OS-SCB-1(9-11)(02032020)	480-165905-3	Solid
04	OS-SCB-2(22-24)(02032020)	480-165905-4	Solid
05	OS-SCB-2(14-16)(02032020)	480-165905-5	Solid
06	OS-SCB-2(8-10)(02032020)	480-165905-6	Solid
07	OS-SCB-3(14-16)(02042020)	480-165905-7	Solid
08	OS-SCB-3(16-18)(02042020)	480-165905-8	Solid
09	OS-SCB-3(18-20)(02042020)	480-165905-9	Solid
10	OS-SCB-3(10-12)(02042020)	480-165905-10	Solid
11	OS-SCB-3(21-23)(02042020)	480-165905-11	Solid
12	EB(02032020)	480-165905-12	Water
13	EB(02042020)	480-165905-13	Water
14	TB(02032020)	480-165905-14	Water
15	OS-SCB-4(8-10)(02042020)	480-165905-15	Solid
16	OS-SCB-4(18-20)(02042020)	480-165905-16	Solid

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 8260C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD samples exhibited acceptable percent recoveries (%R) and RPD values except for the following.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
1	1,1,2,2-Tetrachloroethane	68%/76%/OK	UJ
	1,1,2-Trichloroethane	74%/OK/OK	None - MS only
	1,2,4-Trichlorobenzene	60%/OK/OK	
	1,2-Dibromo-3-chloropropane	61%/OK/OK	
	1,2-Dichlorobenzene	70%/OK/OK	
	1,3-Dichlorobenzene	71%/OK/OK	
	1,4-Dichlorobenzene	70%/OK/OK	
	2-Butanone	68%/OK/OK	
	4-Methyl-2-pentanone	64%/OK/OK	
	Bromoform	66%/OK/OK	
	Ethylbenzene	78%/OK/OK	
	1,2-Dibromoethane	72%/OK/OK	
	Styrene	75%/OK/OK	

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
480-516680/1-A	Bromodichloromethane	124%	None	Samples ND
	cis-1,3-Dichloropropene	121%	None	
	Dichlorodifluoromethane	160%	None	

Method Blank (MB) - The method blanks exhibited no target compounds.

Trip Blank/Equipment Blank (TB/EB) - The equipment blank samples EB(02032020) and EB(02042020) exhibited no target compounds. The trip blank sample TB(02032020) exhibited no target compounds.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - All %D and RRF criteria were met except for the following.

CCAL Date	Compound	%RSD	Qualifier	Affected Samples
02/07/20 (0858)	Vinyl chloride	31.2%	UJ	1, 3, 7-10
	Chloroethane	31.0%	UJ	
	Trichlorofluoromethane	42.8%	UJ	

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate samples were not collected.

Sample Analysis - EDS Sample 15 was analyzed at a 20X dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs) - TICs were not reported.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Method 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

EDS Sample ID	Surrogate	%R	Qualifier
6	2,4,6-Tribromophenol	28%	None for 1 out per fraction
13	2,4,6-Tribromophenol	121%	None for 1 out per fraction

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample OS-SCB-1(14-16)(02032020) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - The equipment blank sample EB(02032020) and EB(02042020) exhibited no target compounds.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(14-16)(02032020) Lab Sample ID: 480-165905-1

Matrix: Solid Lab File ID: F5555.D

Analysis Method: 8260C Date Collected: 02/03/2020 16:20

Sample wt/vol: 4.48(g) Date Analyzed: 02/07/2020 14:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.5 Level: (low/med) Low

Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	6.2	U	6.2	0.45
79-34-5	1,1,2,2-Tetrachloroethane	6.2	~~U~~ TH UJ	6.2	1.0
79-00-5	1,1,2-Trichloroethane	6.2	U	6.2	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	1.4
75-34-3	1,1-Dichloroethane	6.2	U	6.2	0.75
75-35-4	1,1-Dichloroethene	6.2	U	6.2	0.75
120-82-1	1,2,4-Trichlorobenzene	6.2	U	6.2	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	6.2	U	6.2	3.1
95-50-1	1,2-Dichlorobenzene	6.2	U	6.2	0.48
107-06-2	1,2-Dichloroethane	6.2	U	6.2	0.31
78-87-5	1,2-Dichloropropane	6.2	U	6.2	3.1
541-73-1	1,3-Dichlorobenzene	6.2	U	6.2	0.32
106-46-7	1,4-Dichlorobenzene	6.2	U	6.2	0.86
78-93-3	2-Butanone (MEK)	31	U	31	2.3
591-78-6	2-Hexanone	31	U	31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	31	U	31	2.0
67-64-1	Acetone	17	J	31	5.2
71-43-2	Benzene	6.2	U	6.2	0.30
75-27-4	Bromodichloromethane	6.2	U ~~TH~~	6.2	0.83
75-25-2	Bromoform	6.2	U	6.2	3.1
74-83-9	Bromomethane	6.2	U	6.2	0.55
75-15-0	Carbon disulfide	6.2	U	6.2	3.1
56-23-5	Carbon tetrachloride	6.2	U	6.2	0.60
108-90-7	Chlorobenzene	6.2	U	6.2	0.81
124-48-1	Dibromochloromethane	6.2	U	6.2	0.79
75-00-3	Chloroethane	6.2	~~U~~ UJ	6.2	1.4
67-66-3	Chloroform	6.2	U	6.2	0.38
74-87-3	Chloromethane	6.2	U	6.2	0.37
156-59-2	cis-1,2-Dichloroethene	6.2	U	6.2	0.79
10061-01-5	cis-1,3-Dichloropropene	6.2	U ~~TH~~	6.2	0.89
110-82-7	Cyclohexane	6.2	U	6.2	0.86
75-71-8	Dichlorodifluoromethane	6.2	U ~~TH~~	6.2	0.51
100-41-4	Ethylbenzene	6.2	U	6.2	0.43
106-93-4	1,2-Dibromoethane	6.2	U	6.2	0.79
98-82-8	Isopropylbenzene	6.2	U	6.2	0.93

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(14-16)(02032020) Lab Sample ID: 480-165905-1

Matrix: Solid Lab File ID: F5555.D

Analysis Method: 8260C Date Collected: 02/03/2020 16:20

Sample wt/vol: 4.48(g) Date Analyzed: 02/07/2020 14:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 9.5 Level: (low/med) Low

Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	31	U	31	3.7
1634-04-4	Methyl tert-butyl ether	6.2	U	6.2	0.61
108-87-2	Methylcyclohexane	6.2	U	6.2	0.94
75-09-2	Methylene Chloride	6.2	U	6.2	2.8
100-42-5	Styrene	6.2	U	6.2	0.31
127-18-4	Tetrachloroethene	6.2	U	6.2	0.83
108-88-3	Toluene	6.2	U	6.2	0.47
156-60-5	trans-1,2-Dichloroethene	6.2	U	6.2	0.64
10061-02-6	trans-1,3-Dichloropropene	6.2	U	6.2	2.7
79-01-6	Trichloroethene	1.7	J	6.2	1.4
75-69-4	Trichlorofluoromethane	6.2	U	6.2	0.58
75-01-4	Vinyl chloride	6.2	U	6.2	0.75
1330-20-7	Xylenes, Total	12	U	12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
1868-53-7	Dibromofluoromethane (Surr)	109		60-140

MT 2/10/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(24-26.2) (02032020) Lab Sample ID: 480-165905-2

Matrix: Solid Lab File ID: N1426.D

Analysis Method: 8260C Date Collected: 02/03/2020 16:55

Sample wt/vol: 8.137(g) Date Analyzed: 02/07/2020 15:38

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.5 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	38	U	38	11
79-34-5	1,1,2,2-Tetrachloroethane	38	U	38	6.2
79-00-5	1,1,2-Trichloroethane	38	U	38	8.0
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	38	U	38	19
75-34-3	1,1-Dichloroethane	61		38	12
75-35-4	1,1-Dichloroethene	38	U	38	13
120-82-1	1,2,4-Trichlorobenzene	38	U	38	14
96-12-8	1,2-Dibromo-3-Chloropropane	38	U	38	19
95-50-1	1,2-Dichlorobenzene	38	U	38	9.8
107-06-2	1,2-Dichloroethane	38	U	38	16
78-87-5	1,2-Dichloropropane	38	U	38	6.2
541-73-1	1,3-Dichlorobenzene	38	U	38	10
106-46-7	1,4-Dichlorobenzene	38	U	38	5.4
78-93-3	2-Butanone (MEK)	190	U	190	110
591-78-6	2-Hexanone	190	U	190	78
108-10-1	4-Methyl-2-pentanone (MIBK)	190	U	190	12
67-64-1	Acetone	190	U	190	160
71-43-2	Benzene	38	U	38	7.3
75-27-4	Bromodichloromethane	38	U	38	7.6
75-25-2	Bromoform	38	U	38	19
74-83-9	Bromomethane	38	U	38	8.4
75-15-0	Carbon disulfide	38	U	38	17
56-23-5	Carbon tetrachloride	38	U	38	9.8
108-90-7	Chlorobenzene	38	U	38	5.0
124-48-1	Dibromochloromethane	38	U	38	19
75-00-3	Chloroethane	38	U	38	8.0
67-66-3	Chloroform	38	U	38	26
74-87-3	Chloromethane	38	U	38	9.1
156-59-2	cis-1,2-Dichloroethene	38	U	38	11
10061-01-5	cis-1,3-Dichloropropene	38	U	38	9.1
110-82-7	Cyclohexane	38	U	38	8.5
75-71-8	Dichlorodifluoromethane	38	U	38	17
100-41-4	Ethylbenzene	38	U	38	11
106-93-4	1,2-Dibromoethane	38	U	38	6.7

MT 2/10/20

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(24-26.2) (02032020) Lab Sample ID: 480-165905-2

Matrix: Solid Lab File ID: N1426.D

Analysis Method: 8260C Date Collected: 02/03/2020 16:55

Sample wt/vol: 8.137(g) Date Analyzed: 02/07/2020 15:38

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 8.5 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	38	U	38	5.7
79-20-9	Methyl acetate	190	U	190	18
1634-04-4	Methyl tert-butyl ether	38	U	38	14
108-87-2	Methylcyclohexane	38	U	38	18
75-09-2	Methylene Chloride	17	J	38	7.6
100-42-5	Styrene	38	U	38	9.2
127-18-4	Tetrachloroethene	38	U	38	5.1
108-88-3	Toluene	38	U	38	10
156-60-5	trans-1,2-Dichloroethene	38	U	38	9.0
10061-02-6	trans-1,3-Dichloropropene	38	U	38	3.8
79-01-6	Trichloroethene	42		38	11
75-69-4	Trichlorofluoromethane	38	U	38	18
75-01-4	Vinyl chloride	38	U	38	13
1330-20-7	Xylenes, Total	76	U	76	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	105		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	86		60-140

MT 2/10/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-1(9-11)(02032020) Lab Sample ID: 480-165905-3
Matrix: Solid Lab File ID: F5556.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:10
Sample wt/vol: 4.977(g) Date Analyzed: 02/07/2020 15:11
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.8 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.6	U	5.6	0.40
79-34-5	1,1,2,2-Tetrachloroethane	5.6	U	5.6	0.90
79-00-5	1,1,2-Trichloroethane	5.6	U	5.6	0.72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	5.6	1.3
75-34-3	1,1-Dichloroethane	5.6	U	5.6	0.68
75-35-4	1,1-Dichloroethene	5.6	U	5.6	0.68
120-82-1	1,2,4-Trichlorobenzene	5.6	U	5.6	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	5.6	U	5.6	2.8
95-50-1	1,2-Dichlorobenzene	5.6	U	5.6	0.44
107-06-2	1,2-Dichloroethane	5.6	U	5.6	0.28
78-87-5	1,2-Dichloropropane	5.6	U	5.6	2.8
541-73-1	1,3-Dichlorobenzene	5.6	U	5.6	0.29
106-46-7	1,4-Dichlorobenzene	5.6	U	5.6	0.78
78-93-3	2-Butanone (MEK)	28	U	28	2.0
591-78-6	2-Hexanone	28	U	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	28	U	28	1.8
67-64-1	Acetone	20	J	28	4.7
71-43-2	Benzene	5.6	U	5.6	0.27
75-27-4	Bromodichloromethane	5.6	U TH	5.6	0.75
75-25-2	Bromoform	5.6	U	5.6	2.8
74-83-9	Bromomethane	5.6	U	5.6	0.50
75-15-0	Carbon disulfide	5.6	U	5.6	2.8
56-23-5	Carbon tetrachloride	5.6	U	5.6	0.54
108-90-7	Chlorobenzene	5.6	U	5.6	0.74
124-48-1	Dibromochloromethane	5.6	U	5.6	0.71
75-00-3	Chloroethane	5.6	U UJ	5.6	1.3
67-66-3	Chloroform	5.6	U	5.6	0.34
74-87-3	Chloromethane	5.6	U	5.6	0.34
156-59-2	cis-1,2-Dichloroethene	5.6	U	5.6	0.71
10061-01-5	cis-1,3-Dichloropropene	5.6	U TH	5.6	0.80
110-82-7	Cyclohexane	5.6	U	5.6	0.78
75-71-8	Dichlorodifluoromethane	5.6	U TH	5.6	0.46
100-41-4	Ethylbenzene	5.6	U	5.6	0.38
106-93-4	1,2-Dibromoethane	5.6	U	5.6	0.72
98-82-8	Isopropylbenzene	5.6	U	5.6	0.84

MT 2/25/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-1(9-11)(02032020) Lab Sample ID: 480-165905-3
Matrix: Solid Lab File ID: F5556.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:10
Sample wt/vol: 4.977(g) Date Analyzed: 02/07/2020 15:11
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.8 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	28	U	28	3.4
1634-04-4	Methyl tert-butyl ether	5.6	U	5.6	0.55
108-87-2	Methylcyclohexane	5.6	U	5.6	0.85
75-09-2	Methylene Chloride	5.6	U	5.6	2.6
100-42-5	Styrene	5.6	U	5.6	0.28
127-18-4	Tetrachloroethene	5.6	U	5.6	0.75
108-88-3	Toluene	5.6	U	5.6	0.42
156-60-5	trans-1,2-Dichloroethene	5.6	U	5.6	0.57
10061-02-6	trans-1,3-Dichloropropene	5.6	U	5.6	2.5
79-01-6	Trichloroethene	1.3	J	5.6	1.2
75-69-4	Trichlorofluoromethane	5.6	U	5.6	0.53
75-01-4	Vinyl chloride	5.6	U	5.6	0.68
1330-20-7	Xylenes, Total	11	U	11	0.94

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		64-126
460-00-4	4-Bromofluorobenzene (Surr)	93		72-126
1868-53-7	Dibromofluoromethane (Surr)	108		60-140

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(22-24)(02032020) Lab Sample ID: 480-165905-4
Matrix: Solid Lab File ID: N1427.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:35
Sample wt/vol: 4.269(g) Date Analyzed: 02/07/2020 16:03
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.8 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	70	U	70	19
79-34-5	1,1,2,2-Tetrachloroethane	70	U	70	11
79-00-5	1,1,2-Trichloroethane	70	U	70	15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	70	U	70	35
75-34-3	1,1-Dichloroethane	70	U	70	22
75-35-4	1,1-Dichloroethene	70	U	70	24
120-82-1	1,2,4-Trichlorobenzene	70	U	70	27
96-12-8	1,2-Dibromo-3-Chloropropane	70	U	70	35
95-50-1	1,2-Dichlorobenzene	70	U	70	18
107-06-2	1,2-Dichloroethane	70	U	70	29
78-87-5	1,2-Dichloropropane	70	U	70	11
541-73-1	1,3-Dichlorobenzene	70	U	70	19
106-46-7	1,4-Dichlorobenzene	70	U	70	9.8
78-93-3	2-Butanone (MEK)	350	U	350	210
591-78-6	2-Hexanone	350	U	350	140
108-10-1	4-Methyl-2-pentanone (MIBK)	350	U	350	23
67-64-1	Acetone	350	U	350	290
71-43-2	Benzene	70	U	70	13
75-27-4	Bromodichloromethane	70	U	70	14
75-25-2	Bromoform	70	U	70	35
74-83-9	Bromomethane	70	U	70	15
75-15-0	Carbon disulfide	70	U	70	32
56-23-5	Carbon tetrachloride	70	U	70	18
108-90-7	Chlorobenzene	70	U	70	9.3
124-48-1	Dibromochloromethane	70	U	70	34
75-00-3	Chloroethane	70	U	70	15
67-66-3	Chloroform	70	U	70	48
74-87-3	Chloromethane	70	U	70	17
156-59-2	cis-1,2-Dichloroethene	70	U	70	19
10061-01-5	cis-1,3-Dichloropropene	70	U	70	17
110-82-7	Cyclohexane	70	U	70	16
75-71-8	Dichlorodifluoromethane	70	U	70	31
100-41-4	Ethylbenzene	70	U	70	20
106-93-4	1,2-Dibromoethane	70	U	70	12
98-82-8	Isopropylbenzene	70	U	70	11

MT 2/18/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(22-24)(02032020) Lab Sample ID: 480-165905-4
Matrix: Solid Lab File ID: N1427.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:35
Sample wt/vol: 4.269(g) Date Analyzed: 02/07/2020 16:03
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.8 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	350	U	350	33
1634-04-4	Methyl tert-butyl ether	70	U	70	27
108-87-2	Methylcyclohexane	70	U	70	33
75-09-2	Methylene Chloride	70	U	70	14
100-42-5	Styrene	70	U	70	17
127-18-4	Tetrachloroethene	70	U	70	9.5
108-88-3	Toluene	70	U	70	19
156-60-5	trans-1,2-Dichloroethene	70	U	70	17
10061-02-6	trans-1,3-Dichloropropene	70	U	70	6.9
79-01-6	Trichloroethene	690		70	20
75-69-4	Trichlorofluoromethane	70	U	70	33
75-01-4	Vinyl chloride	70	U	70	24
1330-20-7	Xylenes, Total	140	U	140	39

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	99		49-148
1868-53-7	Dibromofluoromethane (Surr)	86		60-140

MT 2/19/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(14-16)(02032020) Lab Sample ID: 480-165905-5
Matrix: Solid Lab File ID: N1428.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:45
Sample wt/vol: 6.067(g) Date Analyzed: 02/07/2020 16:27
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.2 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	14	J	50	14
79-34-5	1,1,2,2-Tetrachloroethane	50	U	50	8.2
79-00-5	1,1,2-Trichloroethane	50	U	50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	25
75-34-3	1,1-Dichloroethane	50	U	50	16
75-35-4	1,1-Dichloroethene	50	U	50	17
120-82-1	1,2,4-Trichlorobenzene	50	U	50	19
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	25
95-50-1	1,2-Dichlorobenzene	50	U	50	13
107-06-2	1,2-Dichloroethane	50	U	50	21
78-87-5	1,2-Dichloropropane	50	U	50	8.2
541-73-1	1,3-Dichlorobenzene	50	U	50	13
106-46-7	1,4-Dichlorobenzene	50	U	50	7.1
78-93-3	2-Butanone (MEK)	250	U	250	150
591-78-6	2-Hexanone	250	U	250	100
108-10-1	4-Methyl-2-pentanone (MIBK)	250	U	250	16
67-64-1	Acetone	250	U	250	210
71-43-2	Benzene	50	U	50	9.6
75-27-4	Bromodichloromethane	50	U	50	10
75-25-2	Bromoform	50	U	50	25
74-83-9	Bromomethane	50	U	50	11
75-15-0	Carbon disulfide	50	U	50	23
56-23-5	Carbon tetrachloride	50	U	50	13
108-90-7	Chlorobenzene	50	U	50	6.7
124-48-1	Dibromochloromethane	50	U	50	24
75-00-3	Chloroethane	50	U	50	10
67-66-3	Chloroform	50	U	50	35
74-87-3	Chloromethane	50	U	50	12
156-59-2	cis-1,2-Dichloroethene	50	U	50	14
10061-01-5	cis-1,3-Dichloropropene	50	U	50	12
110-82-7	Cyclohexane	50	U	50	11
75-71-8	Dichlorodifluoromethane	50	U	50	22
100-41-4	Ethylbenzene	50	U	50	15
106-93-4	1,2-Dibromoethane	50	U	50	8.8
98-82-8	Isopropylbenzene	50	U	50	7.6

MT 2/10/20

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(14-16)(02032020) Lab Sample ID: 480-165905-5
Matrix: Solid Lab File ID: N1428.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:45
Sample wt/vol: 6.067(g) Date Analyzed: 02/07/2020 16:27
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.2 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	250	U	250	24
1634-04-4	Methyl tert-butyl ether	50	U	50	19
108-87-2	Methylcyclohexane	50	U	50	24
75-09-2	Methylene Chloride	50	U	50	10
100-42-5	Styrene	50	U	50	12
127-18-4	Tetrachloroethene	39	J	50	6.8
108-88-3	Toluene	50	U	50	14
156-60-5	trans-1,2-Dichloroethene	50	U	50	12
10061-02-6	trans-1,3-Dichloropropene	50	U	50	5.0
79-01-6	Trichloroethene	89		50	14
75-69-4	Trichlorofluoromethane	50	U	50	24
75-01-4	Vinyl chloride	50	U	50	17
1330-20-7	Xylenes, Total	100	U	100	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	84		60-140

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(8-10)(02032020) Lab Sample ID: 480-165905-6
Matrix: Solid Lab File ID: N1429.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:40
Sample wt/vol: 7.194(g) Date Analyzed: 02/07/2020 16:51
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	44	U	44	12
79-34-5	1,1,2,2-Tetrachloroethane	44	U	44	7.1
79-00-5	1,1,2-Trichloroethane	44	U	44	9.2
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44	U	44	22
75-34-3	1,1-Dichloroethane	44	U	44	14
75-35-4	1,1-Dichloroethene	44	U	44	15
120-82-1	1,2,4-Trichlorobenzene	44	U	44	17
96-12-8	1,2-Dibromo-3-Chloropropane	44	U	44	22
95-50-1	1,2-Dichlorobenzene	44	U	44	11
107-06-2	1,2-Dichloroethane	44	U	44	18
78-87-5	1,2-Dichloropropane	44	U	44	7.1
541-73-1	1,3-Dichlorobenzene	44	U	44	12
106-46-7	1,4-Dichlorobenzene	44	U	44	6.2
78-93-3	2-Butanone (MEK)	220	U	220	130
591-78-6	2-Hexanone	220	U	220	90
108-10-1	4-Methyl-2-pentanone (MIBK)	220	U	220	14
67-64-1	Acetone	220	U	220	180
71-43-2	Benzene	44	U	44	8.4
75-27-4	Bromodichloromethane	44	U	44	8.8
75-25-2	Bromoform	44	U	44	22
74-83-9	Bromomethane	44	U	44	9.7
75-15-0	Carbon disulfide	44	U	44	20
56-23-5	Carbon tetrachloride	44	U	44	11
108-90-7	Chlorobenzene	44	U	44	5.8
124-48-1	Dibromochloromethane	44	U	44	21
75-00-3	Chloroethane	44	U	44	9.2
67-66-3	Chloroform	44	U	44	30
74-87-3	Chloromethane	44	U	44	10
156-59-2	cis-1,2-Dichloroethene	44	U	44	12
10061-01-5	cis-1,3-Dichloropropene	44	U	44	11
110-82-7	Cyclohexane	44	U	44	9.8
75-71-8	Dichlorodifluoromethane	44	U	44	19
100-41-4	Ethylbenzene	44	U	44	13
106-93-4	1,2-Dibromoethane	44	U	44	7.7
98-82-8	Isopropylbenzene	44	U	44	6.6

MT 2/10/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(8-10)(02032020) Lab Sample ID: 480-165905-6
Matrix: Solid Lab File ID: N1429.D
Analysis Method: 8260C Date Collected: 02/03/2020 17:40
Sample wt/vol: 7.194(g) Date Analyzed: 02/07/2020 16:51
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	300		220	21
1634-04-4	Methyl tert-butyl ether	44	U	44	17
108-87-2	Methylcyclohexane	44	U	44	21
75-09-2	Methylene Chloride	44	U	44	8.7
100-42-5	Styrene	44	U	44	11
127-18-4	Tetrachloroethene	79		44	5.9
108-88-3	Toluene	44	U	44	12
156-60-5	trans-1,2-Dichloroethene	44	U	44	10
10061-02-6	trans-1,3-Dichloropropene	44	U	44	4.3
79-01-6	Trichloroethene	73		44	12
75-69-4	Trichlorofluoromethane	44	U	44	21
75-01-4	Vinyl chloride	44	U	44	15
1330-20-7	Xylenes, Total	88	U	88	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
1868-53-7	Dibromofluoromethane (Surr)	90		60-140

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Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(14-16)(02042020) Lab Sample ID: 480-165905-7
Matrix: Solid Lab File ID: F5557.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:40
Sample wt/vol: 5.21(g) Date Analyzed: 02/07/2020 15:37
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.6 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.3	U	5.3	0.39
79-34-5	1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86
79-00-5	1,1,2-Trichloroethane	5.3	U	5.3	0.69
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2
75-34-3	1,1-Dichloroethane	5.3	U	5.3	0.65
75-35-4	1,1-Dichloroethene	5.3	U	5.3	0.65
120-82-1	1,2,4-Trichlorobenzene	5.3	U	5.3	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7
95-50-1	1,2-Dichlorobenzene	5.3	U	5.3	0.41
107-06-2	1,2-Dichloroethane	5.3	U	5.3	0.27
78-87-5	1,2-Dichloropropane	5.3	U	5.3	2.7
541-73-1	1,3-Dichlorobenzene	5.3	U	5.3	0.27
106-46-7	1,4-Dichlorobenzene	5.3	U	5.3	0.74
78-93-3	2-Butanone (MEK)	27	U	27	1.9
591-78-6	2-Hexanone	27	U	27	2.7
108-10-1	4-Methyl-2-pentanone (MIBK)	27	U	27	1.7
67-64-1	Acetone	27	U	27	4.5
71-43-2	Benzene	5.3	U	5.3	0.26
75-27-4	Bromodichloromethane	5.3	U TH	5.3	0.71
75-25-2	Bromoform	5.3	U	5.3	2.7
74-83-9	Bromomethane	5.3	U	5.3	0.48
75-15-0	Carbon disulfide	5.3	U	5.3	2.7
56-23-5	Carbon tetrachloride	5.3	U	5.3	0.51
108-90-7	Chlorobenzene	5.3	U	5.3	0.70
124-48-1	Dibromochloromethane	5.3	U	5.3	0.68
75-00-3	Chloroethane	5.3	U US	5.3	1.2
67-66-3	Chloroform	5.3	U	5.3	0.33
74-87-3	Chloromethane	5.3	U	5.3	0.32
156-59-2	cis-1,2-Dichloroethene	5.3	U	5.3	0.68
10061-01-5	cis-1,3-Dichloropropene	5.3	U TH	5.3	0.76
110-82-7	Cyclohexane	5.3	U	5.3	0.74
75-71-8	Dichlorodifluoromethane	5.3	U TH	5.3	0.44
100-41-4	Ethylbenzene	5.3	U	5.3	0.37
106-93-4	1,2-Dibromoethane	5.3	U	5.3	0.68
98-82-8	Isopropylbenzene	5.3	U	5.3	0.80

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Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(14-16)(02042020) Lab Sample ID: 480-165905-7
Matrix: Solid Lab File ID: F5557.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:40
Sample wt/vol: 5.21(g) Date Analyzed: 02/07/2020 15:37
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.6 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	27	U	27	3.2
1634-04-4	Methyl tert-butyl ether	5.3	U	5.3	0.52
108-87-2	Methylcyclohexane	5.3	U	5.3	0.81
75-09-2	Methylene Chloride	5.3	U	5.3	2.4
100-42-5	Styrene	5.3	U	5.3	0.27
127-18-4	Tetrachloroethene	5.3	U	5.3	0.71
108-88-3	Toluene	5.3	U	5.3	0.40
156-60-5	trans-1,2-Dichloroethene	5.3	U	5.3	0.55
10061-02-6	trans-1,3-Dichloropropene	5.3	U	5.3	2.3
79-01-6	Trichloroethene	5.3	U	5.3	1.2
75-69-4	Trichlorofluoromethane	5.3	U	5.3	0.50
75-01-4	Vinyl chloride	5.3	U	5.3	0.65
1330-20-7	Xylenes, Total	11	U	11	0.89

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
1868-53-7	Dibromofluoromethane (Surr)	106		60-140

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(16-18)(02042020) Lab Sample ID: 480-165905-8
Matrix: Solid Lab File ID: F5558.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:30
Sample wt/vol: 5.269(g) Date Analyzed: 02/07/2020 16:02
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.6 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.68	J	5.2	0.38
79-34-5	1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.85
79-00-5	1,1,2-Trichloroethane	5.2	U	5.2	0.68
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2
75-34-3	1,1-Dichloroethane	5.2	U	5.2	0.64
75-35-4	1,1-Dichloroethene	5.2	U	5.2	0.64
120-82-1	1,2,4-Trichlorobenzene	5.2	U	5.2	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6
95-50-1	1,2-Dichlorobenzene	5.2	U	5.2	0.41
107-06-2	1,2-Dichloroethane	5.2	U	5.2	0.26
78-87-5	1,2-Dichloropropane	5.2	U	5.2	2.6
541-73-1	1,3-Dichlorobenzene	5.2	U	5.2	0.27
106-46-7	1,4-Dichlorobenzene	5.2	U	5.2	0.73
78-93-3	2-Butanone (MEK)	26	U	26	1.9
591-78-6	2-Hexanone	26	U	26	2.6
108-10-1	4-Methyl-2-pentanone (MIBK)	26	U	26	1.7
67-64-1	Acetone	38		26	4.4
71-43-2	Benzene	5.2	U	5.2	0.26
75-27-4	Bromodichloromethane	5.2	U TH	5.2	0.70
75-25-2	Bromoform	5.2	U	5.2	2.6
74-83-9	Bromomethane	5.2	U	5.2	0.47
75-15-0	Carbon disulfide	5.2	U	5.2	2.6
56-23-5	Carbon tetrachloride	5.2	U	5.2	0.51
108-90-7	Chlorobenzene	5.2	U	5.2	0.69
124-48-1	Dibromochloromethane	5.2	U	5.2	0.67
75-00-3	Chloroethane	5.2	U US	5.2	1.2
67-66-3	Chloroform	5.2	U	5.2	0.32
74-87-3	Chloromethane	5.2	U	5.2	0.32
156-59-2	cis-1,2-Dichloroethene	5.2	U	5.2	0.67
10061-01-5	cis-1,3-Dichloropropene	5.2	U TH	5.2	0.76
110-82-7	Cyclohexane	5.2	U	5.2	0.73
75-71-8	Dichlorodifluoromethane	5.2	U TH	5.2	0.43
100-41-4	Ethylbenzene	5.2	U	5.2	0.36
106-93-4	1,2-Dibromoethane	5.2	U	5.2	0.67
98-82-8	Isopropylbenzene	5.2	U	5.2	0.79

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GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(16-18)(02042020) Lab Sample ID: 480-165905-8
Matrix: Solid Lab File ID: F5558.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:30
Sample wt/vol: 5.269(g) Date Analyzed: 02/07/2020 16:02
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 9.6 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	26	U	26	3.2
1634-04-4	Methyl tert-butyl ether	5.2	U	5.2	0.52
108-87-2	Methylcyclohexane	5.2	U	5.2	0.80
75-09-2	Methylene Chloride	5.2	U	5.2	2.4
100-42-5	Styrene	5.2	U	5.2	0.26
127-18-4	Tetrachloroethene	5.2	U	5.2	0.70
108-88-3	Toluene	5.2	U	5.2	0.40
156-60-5	trans-1,2-Dichloroethene	5.2	U	5.2	0.54
10061-02-6	trans-1,3-Dichloropropene	5.2	U	5.2	2.3
79-01-6	Trichloroethene	5.2	U	5.2	1.2
75-69-4	Trichlorofluoromethane	5.2	U	5.2	0.50
75-01-4	Vinyl chloride	5.2	U	5.2	0.64
1330-20-7	Xylenes, Total	10	U	10	0.88

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		64-126
460-00-4	4-Bromofluorobenzene (Surr)	97		72-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

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GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(18-20)(02042020) Lab Sample ID: 480-165905-9
Matrix: Solid Lab File ID: F5559.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:25
Sample wt/vol: 5.13(g) Date Analyzed: 02/07/2020 16:28
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 20.1 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	11		6.1	0.44
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U	6.1	0.99
79-00-5	1,1,2-Trichloroethane	6.1	U	6.1	0.79
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6.1	U	6.1	1.4
75-34-3	1,1-Dichloroethane	2.8	J	6.1	0.74
75-35-4	1,1-Dichloroethene	6.1	U	6.1	0.75
120-82-1	1,2,4-Trichlorobenzene	6.1	U	6.1	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U	6.1	3.1
95-50-1	1,2-Dichlorobenzene	6.1	U	6.1	0.48
107-06-2	1,2-Dichloroethane	6.1	U	6.1	0.31
78-87-5	1,2-Dichloropropane	6.1	U	6.1	3.1
541-73-1	1,3-Dichlorobenzene	6.1	U	6.1	0.31
106-46-7	1,4-Dichlorobenzene	6.1	U	6.1	0.85
78-93-3	2-Butanone (MEK)	31	U	31	2.2
591-78-6	2-Hexanone	31	U	31	3.1
108-10-1	4-Methyl-2-pentanone (MIBK)	31	U	31	2.0
67-64-1	Acetone	16	J	31	5.1
71-43-2	Benzene	6.1	U	6.1	0.30
75-27-4	Bromodichloromethane	6.1	U TH	6.1	0.82
75-25-2	Bromoform	6.1	U	6.1	3.1
74-83-9	Bromomethane	6.1	U	6.1	0.55
75-15-0	Carbon disulfide	6.1	U	6.1	3.1
56-23-5	Carbon tetrachloride	6.1	U	6.1	0.59
108-90-7	Chlorobenzene	6.1	U	6.1	0.81
124-48-1	Dibromochloromethane	6.1	U	6.1	0.78
75-00-3	Chloroethane	6.1	U US	6.1	1.4
67-66-3	Chloroform	6.1	U	6.1	0.38
74-87-3	Chloromethane	6.1	U	6.1	0.37
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	0.78
10061-01-5	cis-1,3-Dichloropropene	6.1	U TH	6.1	0.88
110-82-7	Cyclohexane	6.1	U	6.1	0.85
75-71-8	Dichlorodifluoromethane	6.1	U TH	6.1	0.50
100-41-4	Ethylbenzene	6.1	U	6.1	0.42
106-93-4	1,2-Dibromoethane	6.1	U	6.1	0.78
98-82-8	Isopropylbenzene	6.1	U	6.1	0.92

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(18-20)(02042020) Lab Sample ID: 480-165905-9
Matrix: Solid Lab File ID: F5559.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:25
Sample wt/vol: 5.13(g) Date Analyzed: 02/07/2020 16:28
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 20.1 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	31	U	31	3.7
1634-04-4	Methyl tert-butyl ether	6.1	U	6.1	0.60
108-87-2	Methylcyclohexane	6.1	U	6.1	0.93
75-09-2	Methylene Chloride	6.1	U	6.1	2.8
100-42-5	Styrene	6.1	U	6.1	0.31
127-18-4	Tetrachloroethene	6.1	U	6.1	0.82
108-88-3	Toluene	6.1	U	6.1	0.46
156-60-5	trans-1,2-Dichloroethene	6.1	U	6.1	0.63
10061-02-6	trans-1,3-Dichloropropene	6.1	U	6.1	2.7
79-01-6	Trichloroethene	9.3		6.1	1.3
75-69-4	Trichlorofluoromethane	6.1	U	6.1	0.58
75-01-4	Vinyl chloride	6.1	U	6.1	0.74
1330-20-7	Xylenes, Total	12	U	12	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	95		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	98		72-126
1868-53-7	Dibromofluoromethane (Surr)	110		60-140

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-3(10-12)(02042020) Lab Sample ID: 480-165905-10

Matrix: Solid Lab File ID: F5560.D

Analysis Method: 8260C Date Collected: 02/04/2020 11:20

Sample wt/vol: 4.863(g) Date Analyzed: 02/07/2020 16:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)

% Moisture: 7.2 Level: (low/med) Low

Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.5	U	5.5	0.40
79-34-5	1,1,2,2-Tetrachloroethane	5.5	U	5.5	0.90
79-00-5	1,1,2-Trichloroethane	5.5	U	5.5	0.72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	5.5	1.3
75-34-3	1,1-Dichloroethane	5.5	U	5.5	0.68
75-35-4	1,1-Dichloroethene	5.5	U	5.5	0.68
120-82-1	1,2,4-Trichlorobenzene	5.5	U	5.5	0.34
96-12-8	1,2-Dibromo-3-Chloropropane	5.5	U	5.5	2.8
95-50-1	1,2-Dichlorobenzene	5.5	U	5.5	0.43
107-06-2	1,2-Dichloroethane	5.5	U	5.5	0.28
78-87-5	1,2-Dichloropropane	5.5	U	5.5	2.8
541-73-1	1,3-Dichlorobenzene	5.5	U	5.5	0.28
106-46-7	1,4-Dichlorobenzene	5.5	U	5.5	0.78
78-93-3	2-Butanone (MEK)	28	U	28	2.0
591-78-6	2-Hexanone	28	U	28	2.8
108-10-1	4-Methyl-2-pentanone (MIBK)	28	U	28	1.8
67-64-1	Acetone	27	J	28	4.7
71-43-2	Benzene	5.5	U	5.5	0.27
75-27-4	Bromodichloromethane	5.5	U TH	5.5	0.74
75-25-2	Bromoform	5.5	U	5.5	2.8
74-83-9	Bromomethane	5.5	U	5.5	0.50
75-15-0	Carbon disulfide	5.5	U	5.5	2.8
56-23-5	Carbon tetrachloride	5.5	U	5.5	0.54
108-90-7	Chlorobenzene	5.5	U	5.5	0.73
124-48-1	Dibromochloromethane	5.5	U	5.5	0.71
75-00-3	Chloroethane	5.5	U WS	5.5	1.3
67-66-3	Chloroform	5.5	U	5.5	0.34
74-87-3	Chloromethane	5.5	U	5.5	0.33
156-59-2	cis-1,2-Dichloroethene	5.5	U	5.5	0.71
10061-01-5	cis-1,3-Dichloropropene	5.5	U TH	5.5	0.80
110-82-7	Cyclohexane	5.5	U	5.5	0.78
75-71-8	Dichlorodifluoromethane	5.5	U TH	5.5	0.46
100-41-4	Ethylbenzene	5.5	U	5.5	0.38
106-93-4	1,2-Dibromoethane	5.5	U	5.5	0.71
98-82-8	Isopropylbenzene	5.5	U	5.5	0.84

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(10-12)(02042020) Lab Sample ID: 480-165905-10
Matrix: Solid Lab File ID: F5560.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:20
Sample wt/vol: 4.863(g) Date Analyzed: 02/07/2020 16:53
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (30) VOA ID: 0.25(mm)
% Moisture: 7.2 Level: (low/med) Low
Analysis Batch No.: 516629 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	28	U	28	3.3
1634-04-4	Methyl tert-butyl ether	5.5	U	5.5	0.54
108-87-2	Methylcyclohexane	5.5	U	5.5	0.84
75-09-2	Methylene Chloride	5.5	U	5.5	2.5
100-42-5	Styrene	5.5	U	5.5	0.28
127-18-4	Tetrachloroethene	0.87	J	5.5	0.74
108-88-3	Toluene	5.5	U	5.5	0.42
156-60-5	trans-1,2-Dichloroethene	5.5	U	5.5	0.57
10061-02-6	trans-1,3-Dichloropropene	5.5	U	5.5	2.4
79-01-6	Trichloroethene	1.5	J	5.5	1.2
75-69-4	Trichlorofluoromethane	5.5	U	5.5	0.52
75-01-4	Vinyl chloride	5.5	U	5.5	0.68
1330-20-7	Xylenes, Total	11	U	11	0.93

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		71-125
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		64-126
460-00-4	4-Bromofluorobenzene (Surr)	96		72-126
1868-53-7	Dibromofluoromethane (Surr)	107		60-140

MT 2/10/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-3(21-23)(02042020) Lab Sample ID: 480-165905-11

Matrix: Solid Lab File ID: N1431.D

Analysis Method: 8260C Date Collected: 02/04/2020 11:15

Sample wt/vol: 6.066(g) Date Analyzed: 02/07/2020 17:39

Soil Aliquot Vol: 100 (uL) Dilution Factor: 1

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 9.2 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	57		50	14
79-34-5	1,1,2,2-Tetrachloroethane	50	U	50	8.2
79-00-5	1,1,2-Trichloroethane	50	U	50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	50	U	50	25
75-34-3	1,1-Dichloroethane	50	U	50	16
75-35-4	1,1-Dichloroethene	60		50	17
120-82-1	1,2,4-Trichlorobenzene	50	U	50	19
96-12-8	1,2-Dibromo-3-Chloropropane	50	U	50	25
95-50-1	1,2-Dichlorobenzene	50	U	50	13
107-06-2	1,2-Dichloroethane	50	U	50	21
78-87-5	1,2-Dichloropropane	50	U	50	8.2
541-73-1	1,3-Dichlorobenzene	50	U	50	13
106-46-7	1,4-Dichlorobenzene	50	U	50	7.1
78-93-3	2-Butanone (MEK)	250	U	250	150
591-78-6	2-Hexanone	250	U	250	100
108-10-1	4-Methyl-2-pentanone (MIBK)	250	U	250	16
67-64-1	Acetone	250	U	250	210
71-43-2	Benzene	50	U	50	9.6
75-27-4	Bromodichloromethane	50	U	50	10
75-25-2	Bromoform	50	U	50	25
74-83-9	Bromomethane	50	U	50	11
75-15-0	Carbon disulfide	50	U	50	23
56-23-5	Carbon tetrachloride	50	U	50	13
108-90-7	Chlorobenzene	50	U	50	6.7
124-48-1	Dibromochloromethane	50	U	50	24
75-00-3	Chloroethane	50	U	50	11
67-66-3	Chloroform	50	U	50	35
74-87-3	Chloromethane	50	U	50	12
156-59-2	cis-1,2-Dichloroethene	33	J	50	14
10061-01-5	cis-1,3-Dichloropropene	50	U	50	12
110-82-7	Cyclohexane	50	U	50	11
75-71-8	Dichlorodifluoromethane	50	U	50	22
100-41-4	Ethylbenzene	50	U	50	15
106-93-4	1,2-Dibromoethane	50	U	50	8.8
98-82-8	Isopropylbenzene	50	U	50	7.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(21-23)(02042020) Lab Sample ID: 480-165905-11
Matrix: Solid Lab File ID: N1431.D
Analysis Method: 8260C Date Collected: 02/04/2020 11:15
Sample wt/vol: 6.066(g) Date Analyzed: 02/07/2020 17:39
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 9.2 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	250	U	250	24
1634-04-4	Methyl tert-butyl ether	50	U	50	19
108-87-2	Methylcyclohexane	50	U	50	24
75-09-2	Methylene Chloride	50	U	50	10
100-42-5	Styrene	50	U	50	12
127-18-4	Tetrachloroethene	11	J	50	6.8
108-88-3	Toluene	50	U	50	14
156-60-5	trans-1,2-Dichloroethene	50	U	50	12
10061-02-6	trans-1,3-Dichloropropene	50	U	50	5.0
79-01-6	Trichloroethene	2300		50	14
75-69-4	Trichlorofluoromethane	50	U	50	24
75-01-4	Vinyl chloride	50	U	50	17
1330-20-7	Xylenes, Total	100	U	100	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	88		60-140

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02032020) Lab Sample ID: 480-165905-12
Matrix: Water Lab File ID: N1385.D
Analysis Method: 8260C Date Collected: 02/03/2020 18:15
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 17:39
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02032020) Lab Sample ID: 480-165905-12
Matrix: Water Lab File ID: N1385.D
Analysis Method: 8260C Date Collected: 02/03/2020 18:15
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 17:39
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		77-120
460-00-4	4-Bromofluorobenzene (Surr)	99		73-120
1868-53-7	Dibromofluoromethane (Surr)	95		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02042020) Lab Sample ID: 480-165905-13
Matrix: Water Lab File ID: N1386.D
Analysis Method: 8260C Date Collected: 02/04/2020 08:45
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 18:03
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79

MT 2/18/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02042020) Lab Sample ID: 480-165905-13
Matrix: Water Lab File ID: N1386.D
Analysis Method: 8260C Date Collected: 02/04/2020 08:45
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 18:03
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	96		75-123
2037-26-5	Toluene-d8 (Surr)	103		80-120

MT 2/10/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: TB(02032020) Lab Sample ID: 480-165905-14
Matrix: Water Lab File ID: N1387.D
Analysis Method: 8260C Date Collected: 02/03/2020 00:00
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 18:27
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79

MT 2/13/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: TB(02032020) Lab Sample ID: 480-165905-14
Matrix: Water Lab File ID: N1387.D
Analysis Method: 8260C Date Collected: 02/03/2020 00:00
Sample wt/vol: 5(mL) Date Analyzed: 02/06/2020 18:27
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516417 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2.5	U	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	1.0	U	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		77-120
460-00-4	4-Bromofluorobenzene (Surr)	96		73-120
1868-53-7	Dibromofluoromethane (Surr)	93		75-123
2037-26-5	Toluene-d8 (Surr)	99		80-120

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(8-10)(02042020) Lab Sample ID: 480-165905-15
Matrix: Solid Lab File ID: N1432.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:10
Sample wt/vol: 5.843(g) Date Analyzed: 02/07/2020 18:03
Soil Aliquot Vol: 100 (uL) Dilution Factor: 2
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 10.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	940		110	30
79-34-5	1,1,2,2-Tetrachloroethane	110	U	110	18
79-00-5	1,1,2-Trichloroethane	110	U	110	23
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	110	U	110	54
75-34-3	1,1-Dichloroethane	110	U	110	33
75-35-4	1,1-Dichloroethene	110	U	110	37
120-82-1	1,2,4-Trichlorobenzene	110	U	110	41
96-12-8	1,2-Dibromo-3-Chloropropane	110	U	110	54
95-50-1	1,2-Dichlorobenzene	110	U	110	28
107-06-2	1,2-Dichloroethane	110	U	110	44
78-87-5	1,2-Dichloropropane	110	U	110	18
541-73-1	1,3-Dichlorobenzene	110	U	110	29
106-46-7	1,4-Dichlorobenzene	110	U	110	15
78-93-3	2-Butanone (MEK)	540	U	540	320
591-78-6	2-Hexanone	540	U	540	220
108-10-1	4-Methyl-2-pentanone (MIBK)	540	U	540	35
67-64-1	Acetone	540	U	540	450
71-43-2	Benzene	110	U	110	21
75-27-4	Bromodichloromethane	110	U	110	22
75-25-2	Bromoform	110	U	110	54
74-83-9	Bromomethane	110	U	110	24
75-15-0	Carbon disulfide	110	U	110	49
56-23-5	Carbon tetrachloride	110	U	110	28
108-90-7	Chlorobenzene	110	U	110	14
124-48-1	Dibromochloromethane	110	U	110	52
75-00-3	Chloroethane	110	U	110	23
67-66-3	Chloroform	110	U	110	74
74-87-3	Chloromethane	110	U	110	26
156-59-2	cis-1,2-Dichloroethene	110	U	110	30
10061-01-5	cis-1,3-Dichloropropene	110	U	110	26
110-82-7	Cyclohexane	110	U	110	24
75-71-8	Dichlorodifluoromethane	110	U	110	47
100-41-4	Ethylbenzene	110	U	110	32
106-93-4	1,2-Dibromoethane	110	U	110	19
98-82-8	Isopropylbenzene	110	U	110	16

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GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(8-10)(02042020) Lab Sample ID: 480-165905-15
Matrix: Solid Lab File ID: N1432.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:10
Sample wt/vol: 5.843(g) Date Analyzed: 02/07/2020 18:03
Soil Aliquot Vol: 100 (uL) Dilution Factor: 2
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 10.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	540	U	540	52
1634-04-4	Methyl tert-butyl ether	110	U	110	41
108-87-2	Methylcyclohexane	110	U	110	51
75-09-2	Methylene Chloride	110	U	110	21
100-42-5	Styrene	110	U	110	26
127-18-4	Tetrachloroethene	79	J	110	15
108-88-3	Toluene	40	J	110	29
156-60-5	trans-1,2-Dichloroethene	110	U	110	26
10061-02-6	trans-1,3-Dichloropropene	110	U	110	11
79-01-6	Trichloroethene	3300		110	30
75-69-4	Trichlorofluoromethane	110	U	110	51
75-01-4	Vinyl chloride	110	U	110	36
1330-20-7	Xylenes, Total	220	U	220	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	102		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	98		49-148
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(18-20)(02042020) Lab Sample ID: 480-165905-16
Matrix: Solid Lab File ID: N1433.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:15
Sample wt/vol: 6.309(g) Date Analyzed: 02/07/2020 18:27
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 27.0 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	29	J	73	20
79-34-5	1,1,2,2-Tetrachloroethane	73	U	73	12
79-00-5	1,1,2-Trichloroethane	73	U	73	15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	73	U	73	36
75-34-3	1,1-Dichloroethane	56	J	73	22
75-35-4	1,1-Dichloroethene	73	U	73	25
120-82-1	1,2,4-Trichlorobenzene	73	U	73	28
96-12-8	1,2-Dibromo-3-Chloropropane	73	U	73	36
95-50-1	1,2-Dichlorobenzene	73	U	73	19
107-06-2	1,2-Dichloroethane	73	U	73	30
78-87-5	1,2-Dichloropropane	73	U	73	12
541-73-1	1,3-Dichlorobenzene	73	U	73	19
106-46-7	1,4-Dichlorobenzene	73	U	73	10
78-93-3	2-Butanone (MEK)	360	U	360	220
591-78-6	2-Hexanone	360	U	360	150
108-10-1	4-Methyl-2-pentanone (MIBK)	360	U	360	23
67-64-1	Acetone	360	U	360	300
71-43-2	Benzene	73	U	73	14
75-27-4	Bromodichloromethane	73	U	73	15
75-25-2	Bromoform	73	U	73	36
74-83-9	Bromomethane	73	U	73	16
75-15-0	Carbon disulfide	73	U	73	33
56-23-5	Carbon tetrachloride	73	U	73	19
108-90-7	Chlorobenzene	73	U	73	9.6
124-48-1	Dibromochloromethane	73	U	73	35
75-00-3	Chloroethane	73	U	73	15
67-66-3	Chloroform	73	U	73	50
74-87-3	Chloromethane	73	U	73	17
156-59-2	cis-1,2-Dichloroethene	73	U	73	20
10061-01-5	cis-1,3-Dichloropropene	73	U	73	17
110-82-7	Cyclohexane	73	U	73	16
75-71-8	Dichlorodifluoromethane	73	U	73	32
100-41-4	Ethylbenzene	73	U	73	21
106-93-4	1,2-Dibromoethane	73	U	73	13
98-82-8	Isopropylbenzene	73	U	73	11

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(18-20)(02042020) Lab Sample ID: 480-165905-16
Matrix: Solid Lab File ID: N1433.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:15
Sample wt/vol: 6.309(g) Date Analyzed: 02/07/2020 18:27
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 27.0 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	360	U	360	35
1634-04-4	Methyl tert-butyl ether	73	U	73	28
108-87-2	Methylcyclohexane	73	U	73	34
75-09-2	Methylene Chloride	73	U	73	14
100-42-5	Styrene	73	U	73	18
127-18-4	Tetrachloroethene	73	U	73	9.8
108-88-3	Toluene	73	U	73	20
156-60-5	trans-1,2-Dichloroethene	73	U	73	17
10061-02-6	trans-1,3-Dichloropropene	73	U	73	7.2
79-01-6	Trichloroethene	320		73	20
75-69-4	Trichlorofluoromethane	73	U	73	34
75-01-4	Vinyl chloride	73	U	73	24
1330-20-7	Xylenes, Total	150	U	150	40

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	83		60-140

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(14-16)(02032020) Lab Sample ID: 480-165905-1

Matrix: Solid Lab File ID: X21466003.D

Analysis Method: 8270D Date Collected: 02/03/2020 16:20

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.26(g) Date Analyzed: 02/10/2020 12:52

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	190	U	190	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	190	U	190	37
95-95-4	2,4,5-Trichlorophenol	190	U	190	50
88-06-2	2,4,6-Trichlorophenol	190	U	190	37
120-83-2	2,4-Dichlorophenol	190	U	190	20
105-67-9	2,4-Dimethylphenol	190	U	190	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	860
121-14-2	2,4-Dinitrotoluene	190	U	190	38
606-20-2	2,6-Dinitrotoluene	190	U	190	22
91-58-7	2-Chloronaphthalene	190	U	190	31
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	190	U	190	37
95-48-7	2-Methylphenol	190	U	190	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	190	U	190	53
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	51
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	190
101-55-3	4-Bromophenyl phenyl ether	190	U	190	26
59-50-7	4-Chloro-3-methylphenol	190	U	190	46
106-47-8	4-Chloroaniline	190	U	190	46
7005-72-3	4-Chlorophenyl phenyl ether	190	U	190	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	98
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	190	U	190	27
208-96-8	Acenaphthylene	190	U	190	24
98-86-2	Acetophenone	190	U	190	25
120-12-7	Anthracene	190	U	190	46
1912-24-9	Atrazine	190	U	190	65
100-52-7	Benzaldehyde	190	U	190	150
56-55-3	Benzo[a]anthracene	190	U	190	19
50-32-8	Benzo[a]pyrene	190	U	190	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-1(14-16)(02032020) Lab Sample ID: 480-165905-1
Matrix: Solid Lab File ID: X21466003.D
Analysis Method: 8270D Date Collected: 02/03/2020 16:20
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.26(g) Date Analyzed: 02/10/2020 12:52
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.5 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	190	U	190	30
191-24-2	Benzo[g,h,i]perylene	190	U	190	20
207-08-9	Benzo[k]fluoranthene	190	U	190	24
111-91-1	Bis(2-chloroethoxy)methane	190	U	190	39
111-44-4	Bis(2-chloroethyl)ether	190	U	190	24
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	190	64
85-68-7	Butyl benzyl phthalate	190	U	190	31
105-60-2	Caprolactam	190	U	190	56
86-74-8	Carbazole	190	U	190	22
218-01-9	Chrysene	190	U	190	42
53-70-3	Dibenz(a,h)anthracene	190	U	190	33
132-64-9	Dibenzofuran	190	U	190	22
84-66-2	Diethyl phthalate	190	U	190	24
131-11-3	Dimethyl phthalate	190	U	190	22
84-74-2	Di-n-butyl phthalate	190	U	190	32
117-84-0	Di-n-octyl phthalate	190	U	190	22
206-44-0	Fluoranthene	190	U	190	20
86-73-7	Fluorene	190	U	190	22
118-74-1	Hexachlorobenzene	190	U	190	25
87-68-3	Hexachlorobutadiene	190	U	190	27
77-47-4	Hexachlorocyclopentadiene	190	U	190	25
67-72-1	Hexachloroethane	190	U	190	24
193-39-5	Indeno[1,2,3-cd]pyrene	190	U	190	23
78-59-1	Isophorone	190	U	190	39
91-20-3	Naphthalene	190	U	190	24
98-95-3	Nitrobenzene	190	U	190	21
621-64-7	N-Nitrosodi-n-propylamine	190	U	190	32
86-30-6	N-Nitrosodiphenylamine	190	U	190	150
87-86-5	Pentachlorophenol	360	U	360	190
85-01-8	Phenanthrene	190	U	190	27
108-95-2	Phenol	190	U	190	28
129-00-0	Pyrene	190	U	190	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(24-26.2) (02032020) Lab Sample ID: 480-165905-2

Matrix: Solid Lab File ID: X21466004.D

Analysis Method: 8270D Date Collected: 02/03/2020 16:55

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.21(g) Date Analyzed: 02/10/2020 13:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 8.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	50
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	20
105-67-9	2,4-Dimethylphenol	180	U	180	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	850
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	22
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	51
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	46
106-47-8	4-Chloroaniline	180	U	180	46
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	97
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	180	U	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	180	U	180	46
1912-24-9	Atrazine	180	U	180	64
100-52-7	Benzaldehyde	180	U	180	150
56-55-3	Benzo[a]anthracene	180	U	180	18

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-1(24-26.2) (02032020) Lab Sample ID: 480-165905-2

Matrix: Solid Lab File ID: X21466004.D

Analysis Method: 8270D Date Collected: 02/03/2020 16:55

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.21(g) Date Analyzed: 02/10/2020 13:16

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 8.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	180	U	180	27
205-99-2	Benzo[b]fluoranthene	180	U	180	29
191-24-2	Benzo[g,h,i]perylene	180	U	180	20
207-08-9	Benzo[k]fluoranthene	180	U	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	63
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	180	U	180	22
218-01-9	Chrysene	180	U	180	41
53-70-3	Dibenz(a,h)anthracene	180	U	180	33
132-64-9	Dibenzofuran	180	U	180	22
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	22
84-74-2	Di-n-butyl phthalate	180	U	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	22
206-44-0	Fluoranthene	180	U	180	20
86-73-7	Fluorene	180	U	180	22
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	180	U	180	24
98-95-3	Nitrobenzene	180	U	180	21
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	360	U	360	180
85-01-8	Phenanthrene	180	U	180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	180	U	180	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-1(9-11)(02032020) Lab Sample ID: 480-165905-3
Matrix: Solid Lab File ID: X21466005.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:10
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.73(g) Date Analyzed: 02/10/2020 13:40
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.8 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	50
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	19
105-67-9	2,4-Dimethylphenol	180	U	180	44
51-28-5	2,4-Dinitrophenol	1800	U	1800	850
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	22
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	51
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	45
106-47-8	4-Chloroaniline	180	U	180	45
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	96
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	51	J	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	87	J	180	45
1912-24-9	Atrazine	180	U	180	64
100-52-7	Benzaldehyde	180	U	180	150
56-55-3	Benzo[a]anthracene	250		180	18
50-32-8	Benzo[a]pyrene	220		180	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-1(9-11)(02032020) Lab Sample ID: 480-165905-3
Matrix: Solid Lab File ID: X21466005.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:10
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.73(g) Date Analyzed: 02/10/2020 13:40
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.8 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	320		180	29
191-24-2	Benzo[g,h,i]perylene	150	J	180	19
207-08-9	Benzo[k]fluoranthene	120	J	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	63
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	61	J	180	22
218-01-9	Chrysene	240		180	41
53-70-3	Dibenz(a,h)anthracene	47	J	180	32
132-64-9	Dibenzofuran	28	J	180	22
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	22
84-74-2	Di-n-butyl phthalate	44	J	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	22
206-44-0	Fluoranthene	460		180	19
86-73-7	Fluorene	52	J	180	22
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	130	J	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	38	J	180	24
98-95-3	Nitrobenzene	180	U	180	21
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	360	U	360	180
85-01-8	Phenanthrene	390		180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	470		180	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(22-24)(02032020) Lab Sample ID: 480-165905-4
Matrix: Solid Lab File ID: X21466006.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:35
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.57(g) Date Analyzed: 02/10/2020 14:04
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.8 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	50
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	20
105-67-9	2,4-Dimethylphenol	180	U	180	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	850
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	22
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	51
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	46
106-47-8	4-Chloroaniline	180	U	180	46
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	97
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	180	U	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	180	U	180	46
1912-24-9	Atrazine	180	U	180	64
100-52-7	Benzaldehyde	180	U	180	150
56-55-3	Benzo[a]anthracene	180	U	180	18
50-32-8	Benzo[a]pyrene	180	U	180	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(22-24)(02032020) Lab Sample ID: 480-165905-4
Matrix: Solid Lab File ID: X21466006.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:35
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.57(g) Date Analyzed: 02/10/2020 14:04
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.8 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	180	U	180	29
191-24-2	Benzo[g,h,i]perylene	180	U	180	20
207-08-9	Benzo[k]fluoranthene	180	U	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	63
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	180	U	180	22
218-01-9	Chrysene	180	U	180	41
53-70-3	Dibenz(a,h)anthracene	180	U	180	33
132-64-9	Dibenzofuran	180	U	180	22
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	22
84-74-2	Di-n-butyl phthalate	180	U	180	32
117-84-0	Di-n-octyl phthalate	180	U	180	22
206-44-0	Fluoranthene	180	U	180	20
86-73-7	Fluorene	180	U	180	22
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	180	U	180	24
98-95-3	Nitrobenzene	180	U	180	21
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	32
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	360	U	360	180
85-01-8	Phenanthrene	180	U	180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	180	U	180	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(14-16)(02032020) Lab Sample ID: 480-165905-5
Matrix: Solid Lab File ID: X21466007.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:45
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.76(g) Date Analyzed: 02/10/2020 14:29
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	59
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	49
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	19
105-67-9	2,4-Dimethylphenol	180	U	180	44
51-28-5	2,4-Dinitrophenol	1800	U	1800	840
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	21
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	350	U	350	33
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	21
88-74-4	2-Nitroaniline	350	U	350	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	350	U	350	210
99-09-2	3-Nitroaniline	350	U	350	50
534-52-1	4,6-Dinitro-2-methylphenol	350	U	350	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	45
106-47-8	4-Chloroaniline	180	U	180	45
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	350	U	350	21
100-01-6	4-Nitroaniline	350	U	350	96
100-02-7	4-Nitrophenol	350	U	350	130
83-32-9	Acenaphthene	180	U	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	180	U	180	45
1912-24-9	Atrazine	180	U	180	63
100-52-7	Benzaldehyde	180	U	180	140
56-55-3	Benzo[a]anthracene	180	U	180	18
50-32-8	Benzo[a]pyrene	180	U	180	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(14-16)(02032020) Lab Sample ID: 480-165905-5
Matrix: Solid Lab File ID: X21466007.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:45
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.76(g) Date Analyzed: 02/10/2020 14:29
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	180	U	180	29
191-24-2	Benzo[g,h,i]perylene	180	U	180	19
207-08-9	Benzo[k]fluoranthene	180	U	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	62
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	180	U	180	21
218-01-9	Chrysene	180	U	180	41
53-70-3	Dibenz(a,h)anthracene	180	U	180	32
132-64-9	Dibenzofuran	180	U	180	21
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	21
84-74-2	Di-n-butyl phthalate	180	U	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	21
206-44-0	Fluoranthene	180	U	180	19
86-73-7	Fluorene	180	U	180	21
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	180	U	180	24
98-95-3	Nitrobenzene	180	U	180	20
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	350	U	350	180
85-01-8	Phenanthrene	180	U	180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	180	U	180	21

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(8-10)(02032020) Lab Sample ID: 480-165905-6
Matrix: Solid Lab File ID: X21466008.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:40
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.30(g) Date Analyzed: 02/10/2020 14:53
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	190	U	190	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	190	U	190	37
95-95-4	2,4,5-Trichlorophenol	190	U	190	51
88-06-2	2,4,6-Trichlorophenol	190	U	190	37
120-83-2	2,4-Dichlorophenol	190	U	190	20
105-67-9	2,4-Dimethylphenol	190	U	190	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	860
121-14-2	2,4-Dinitrotoluene	190	U	190	38
606-20-2	2,6-Dinitrotoluene	190	U	190	22
91-58-7	2-Chloronaphthalene	190	U	190	31
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	190	U	190	37
95-48-7	2-Methylphenol	190	U	190	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	190	U	190	53
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	52
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	190
101-55-3	4-Bromophenyl phenyl ether	190	U	190	26
59-50-7	4-Chloro-3-methylphenol	190	U	190	46
106-47-8	4-Chloroaniline	190	U	190	46
7005-72-3	4-Chlorophenyl phenyl ether	190	U	190	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	98
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	190	U	190	27
208-96-8	Acenaphthylene	190	U	190	24
98-86-2	Acetophenone	190	U	190	25
120-12-7	Anthracene	190	U	190	46
1912-24-9	Atrazine	190	U	190	65
100-52-7	Benzaldehyde	190	U	190	150
56-55-3	Benzo[a]anthracene	140	J	190	19
50-32-8	Benzo[a]pyrene	160	J	190	27

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-2(8-10)(02032020) Lab Sample ID: 480-165905-6
Matrix: Solid Lab File ID: X21466008.D
Analysis Method: 8270D Date Collected: 02/03/2020 17:40
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.30(g) Date Analyzed: 02/10/2020 14:53
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	210		190	30
191-24-2	Benzo[g,h,i]perylene	150	J	190	20
207-08-9	Benzo[k]fluoranthene	100	J	190	24
111-91-1	Bis(2-chloroethoxy)methane	190	U	190	40
111-44-4	Bis(2-chloroethyl)ether	190	U	190	24
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	190	64
85-68-7	Butyl benzyl phthalate	190	U	190	31
105-60-2	Caprolactam	190	U	190	56
86-74-8	Carbazole	190	U	190	22
218-01-9	Chrysene	150	J	190	42
53-70-3	Dibenz(a,h)anthracene	41	J	190	33
132-64-9	Dibenzofuran	190	U	190	22
84-66-2	Diethyl phthalate	190	U	190	24
131-11-3	Dimethyl phthalate	190	U	190	22
84-74-2	Di-n-butyl phthalate	190	U	190	32
117-84-0	Di-n-octyl phthalate	190	U	190	22
206-44-0	Fluoranthene	190		190	20
86-73-7	Fluorene	190	U	190	22
118-74-1	Hexachlorobenzene	190	U	190	25
87-68-3	Hexachlorobutadiene	190	U	190	27
77-47-4	Hexachlorocyclopentadiene	190	U	190	25
67-72-1	Hexachloroethane	190	U	190	24
193-39-5	Indeno[1,2,3-cd]pyrene	120	J	190	23
78-59-1	Isophorone	190	U	190	40
91-20-3	Naphthalene	190	U	190	24
98-95-3	Nitrobenzene	190	U	190	21
621-64-7	N-Nitrosodi-n-propylamine	190	U	190	32
86-30-6	N-Nitrosodiphenylamine	190	U	190	150
87-86-5	Pentachlorophenol	360	U	360	190
85-01-8	Phenanthrene	110	J	190	27
108-95-2	Phenol	190	U	190	29
129-00-0	Pyrene	200		190	22

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(14-16)(02042020) Lab Sample ID: 480-165905-7
Matrix: Solid Lab File ID: X21466009.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:40
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.72(g) Date Analyzed: 02/10/2020 15:18
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.6 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	59
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	50
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	19
105-67-9	2,4-Dimethylphenol	180	U	180	44
51-28-5	2,4-Dinitrophenol	1800	U	1800	850
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	22
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	360	U	360	33
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	22
88-74-4	2-Nitroaniline	360	U	360	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	51
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	45
106-47-8	4-Chloroaniline	180	U	180	45
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	96
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	180	U	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	180	U	180	45
1912-24-9	Atrazine	180	U	180	64
100-52-7	Benzaldehyde	180	U	180	150
56-55-3	Benzo[a]anthracene	180	U	180	18
50-32-8	Benzo[a]pyrene	180	U	180	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-3(14-16)(02042020) Lab Sample ID: 480-165905-7

Matrix: Solid Lab File ID: X21466009.D

Analysis Method: 8270D Date Collected: 02/04/2020 11:40

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.72(g) Date Analyzed: 02/10/2020 15:18

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	180	U	180	29
191-24-2	Benzo[g,h,i]perylene	180	U	180	19
207-08-9	Benzo[k]fluoranthene	180	U	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	63
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	180	U	180	22
218-01-9	Chrysene	180	U	180	41
53-70-3	Dibenz(a,h)anthracene	180	U	180	32
132-64-9	Dibenzofuran	180	U	180	22
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	22
84-74-2	Di-n-butyl phthalate	180	U	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	22
206-44-0	Fluoranthene	180	U	180	19
86-73-7	Fluorene	180	U	180	22
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	180	U	180	24
98-95-3	Nitrobenzene	180	U	180	21
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	360	U	360	180
85-01-8	Phenanthrene	180	U	180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	180	U	180	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(16-18)(02042020) Lab Sample ID: 480-165905-8
Matrix: Solid Lab File ID: X21466010.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:30
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.12(g) Date Analyzed: 02/10/2020 15:42
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.6 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	190	U	190	28
123-91-1	1,4-Dioxane	110	U	110	61
108-60-1	2,2'-oxybis(1-chloropropane)	190	U	190	37
95-95-4	2,4,5-Trichlorophenol	190	U	190	51
88-06-2	2,4,6-Trichlorophenol	190	U	190	37
120-83-2	2,4-Dichlorophenol	190	U	190	20
105-67-9	2,4-Dimethylphenol	190	U	190	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	860
121-14-2	2,4-Dinitrotoluene	190	U	190	39
606-20-2	2,6-Dinitrotoluene	190	U	190	22
91-58-7	2-Chloronaphthalene	190	U	190	31
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	190	U	190	37
95-48-7	2-Methylphenol	190	U	190	22
88-74-4	2-Nitroaniline	360	U	360	28
88-75-5	2-Nitrophenol	190	U	190	53
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	52
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	190
101-55-3	4-Bromophenyl phenyl ether	190	U	190	26
59-50-7	4-Chloro-3-methylphenol	190	U	190	46
106-47-8	4-Chloroaniline	190	U	190	46
7005-72-3	4-Chlorophenyl phenyl ether	190	U	190	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	98
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	190	U	190	28
208-96-8	Acenaphthylene	190	U	190	24
98-86-2	Acetophenone	190	U	190	25
120-12-7	Anthracene	190	U	190	46
1912-24-9	Atrazine	190	U	190	65
100-52-7	Benzaldehyde	190	U	190	150
56-55-3	Benzo[a]anthracene	140	J	190	19
50-32-8	Benzo[a]pyrene	170	J	190	28

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(16-18)(02042020) Lab Sample ID: 480-165905-8
Matrix: Solid Lab File ID: X21466010.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:30
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.12(g) Date Analyzed: 02/10/2020 15:42
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.6 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	200		190	30
191-24-2	Benzo[g,h,i]perylene	120	J	190	20
207-08-9	Benzo[k]fluoranthene	70	J	190	24
111-91-1	Bis(2-chloroethoxy)methane	190	U	190	40
111-44-4	Bis(2-chloroethyl)ether	190	U	190	24
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	190	64
85-68-7	Butyl benzyl phthalate	190	U	190	31
105-60-2	Caprolactam	190	U	190	56
86-74-8	Carbazole	190	U	190	22
218-01-9	Chrysene	150	J	190	42
53-70-3	Dibenz(a,h)anthracene	33	J	190	33
132-64-9	Dibenzofuran	190	U	190	22
84-66-2	Diethyl phthalate	190	U	190	24
131-11-3	Dimethyl phthalate	190	U	190	22
84-74-2	Di-n-butyl phthalate	190	U	190	32
117-84-0	Di-n-octyl phthalate	34	J	190	22
206-44-0	Fluoranthene	220		190	20
86-73-7	Fluorene	190	U	190	22
118-74-1	Hexachlorobenzene	190	U	190	25
87-68-3	Hexachlorobutadiene	190	U	190	28
77-47-4	Hexachlorocyclopentadiene	190	U	190	25
67-72-1	Hexachloroethane	190	U	190	24
193-39-5	Indeno[1,2,3-cd]pyrene	110	J	190	23
78-59-1	Isophorone	190	U	190	40
91-20-3	Naphthalene	190	U	190	24
98-95-3	Nitrobenzene	190	U	190	21
621-64-7	N-Nitrosodi-n-propylamine	190	U	190	32
86-30-6	N-Nitrosodiphenylamine	190	U	190	150
87-86-5	Pentachlorophenol	360	U	360	190
85-01-8	Phenanthrene	76	J	190	28
108-95-2	Phenol	190	U	190	29
129-00-0	Pyrene	230		190	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(18-20)(02042020) Lab Sample ID: 480-165905-9
Matrix: Solid Lab File ID: X21466011.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:25
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.93(g) Date Analyzed: 02/10/2020 16:06
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 20.1 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	210	U	210	30
123-91-1	1,4-Dioxane	120	U	120	67
108-60-1	2,2'-oxybis(1-chloropropane)	210	U	210	41
95-95-4	2,4,5-Trichlorophenol	210	U	210	56
88-06-2	2,4,6-Trichlorophenol	210	U	210	41
120-83-2	2,4-Dichlorophenol	210	U	210	22
105-67-9	2,4-Dimethylphenol	210	U	210	50
51-28-5	2,4-Dinitrophenol	2000	U	2000	950
121-14-2	2,4-Dinitrotoluene	210	U	210	42
606-20-2	2,6-Dinitrotoluene	210	U	210	24
91-58-7	2-Chloronaphthalene	210	U	210	34
95-57-8	2-Chlorophenol	400	U	400	38
91-57-6	2-Methylnaphthalene	210	U	210	41
95-48-7	2-Methylphenol	210	U	210	24
88-74-4	2-Nitroaniline	400	U	400	30
88-75-5	2-Nitrophenol	210	U	210	58
91-94-1	3,3'-Dichlorobenzidine	400	U	400	240
99-09-2	3-Nitroaniline	400	U	400	57
534-52-1	4,6-Dinitro-2-methylphenol	400	U	400	210
101-55-3	4-Bromophenyl phenyl ether	210	U	210	29
59-50-7	4-Chloro-3-methylphenol	210	U	210	51
106-47-8	4-Chloroaniline	210	U	210	51
7005-72-3	4-Chlorophenyl phenyl ether	210	U	210	25
106-44-5	4-Methylphenol	400	U	400	24
100-01-6	4-Nitroaniline	400	U	400	110
100-02-7	4-Nitrophenol	400	U	400	140
83-32-9	Acenaphthene	210	U	210	30
208-96-8	Acenaphthylene	210	U	210	27
98-86-2	Acetophenone	210	U	210	28
120-12-7	Anthracene	210	U	210	51
1912-24-9	Atrazine	210	U	210	72
100-52-7	Benzaldehyde	210	U	210	160
56-55-3	Benzo[a]anthracene	210	U	210	21
50-32-8	Benzo[a]pyrene	210	U	210	30

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-3(18-20)(02042020) Lab Sample ID: 480-165905-9

Matrix: Solid Lab File ID: X21466011.D

Analysis Method: 8270D Date Collected: 02/04/2020 11:25

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.93(g) Date Analyzed: 02/10/2020 16:06

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 20.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	210	U	210	33
191-24-2	Benzo[g,h,i]perylene	210	U	210	22
207-08-9	Benzo[k]fluoranthene	210	U	210	27
111-91-1	Bis(2-chloroethoxy)methane	210	U	210	44
111-44-4	Bis(2-chloroethyl)ether	210	U	210	27
117-81-7	Bis(2-ethylhexyl) phthalate	210	U	210	70
85-68-7	Butyl benzyl phthalate	210	U	210	34
105-60-2	Caprolactam	210	U	210	62
86-74-8	Carbazole	210	U	210	24
218-01-9	Chrysene	210	U	210	46
53-70-3	Dibenz(a,h)anthracene	210	U	210	36
132-64-9	Dibenzofuran	210	U	210	24
84-66-2	Diethyl phthalate	210	U	210	27
131-11-3	Dimethyl phthalate	210	U	210	24
84-74-2	Di-n-butyl phthalate	210	U	210	35
117-84-0	Di-n-octyl phthalate	210	U	210	24
206-44-0	Fluoranthene	210	U	210	22
86-73-7	Fluorene	210	U	210	24
118-74-1	Hexachlorobenzene	210	U	210	28
87-68-3	Hexachlorobutadiene	210	U	210	30
77-47-4	Hexachlorocyclopentadiene	210	U	210	28
67-72-1	Hexachloroethane	210	U	210	27
193-39-5	Indeno[1,2,3-cd]pyrene	210	U	210	25
78-59-1	Isophorone	210	U	210	44
91-20-3	Naphthalene	210	U	210	27
98-95-3	Nitrobenzene	210	U	210	23
621-64-7	N-Nitrosodi-n-propylamine	210	U	210	35
86-30-6	N-Nitrosodiphenylamine	210	U	210	170
87-86-5	Pentachlorophenol	400	U	400	210
85-01-8	Phenanthrene	210	U	210	30
108-95-2	Phenol	210	U	210	32
129-00-0	Pyrene	210	U	210	24

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(10-12)(02042020) Lab Sample ID: 480-165905-10
Matrix: Solid Lab File ID: X21466012.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:20
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.72(g) Date Analyzed: 02/10/2020 16:30
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	26
123-91-1	1,4-Dioxane	110	U	110	58
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	36
95-95-4	2,4,5-Trichlorophenol	180	U	180	48
88-06-2	2,4,6-Trichlorophenol	180	U	180	36
120-83-2	2,4-Dichlorophenol	180	U	180	19
105-67-9	2,4-Dimethylphenol	180	U	180	43
51-28-5	2,4-Dinitrophenol	1700	U	1700	820
121-14-2	2,4-Dinitrotoluene	180	U	180	37
606-20-2	2,6-Dinitrotoluene	180	U	180	21
91-58-7	2-Chloronaphthalene	180	U	180	29
95-57-8	2-Chlorophenol	350	U	350	33
91-57-6	2-Methylnaphthalene	180	U	180	36
95-48-7	2-Methylphenol	180	U	180	21
88-74-4	2-Nitroaniline	350	U	350	26
88-75-5	2-Nitrophenol	180	U	180	51
91-94-1	3,3'-Dichlorobenzidine	350	U	350	210
99-09-2	3-Nitroaniline	350	U	350	49
534-52-1	4,6-Dinitro-2-methylphenol	350	U	350	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	25
59-50-7	4-Chloro-3-methylphenol	180	U	180	44
106-47-8	4-Chloroaniline	180	U	180	44
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	22
106-44-5	4-Methylphenol	350	U	350	21
100-01-6	4-Nitroaniline	350	U	350	94
100-02-7	4-Nitrophenol	350	U	350	130
83-32-9	Acenaphthene	180	U	180	26
208-96-8	Acenaphthylene	180	U	180	23
98-86-2	Acetophenone	180	U	180	24
120-12-7	Anthracene	180	U	180	44
1912-24-9	Atrazine	180	U	180	62
100-52-7	Benzaldehyde	180	U	180	140
56-55-3	Benzo[a]anthracene	180	U	180	18
50-32-8	Benzo[a]pyrene	180	U	180	26

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(10-12)(02042020) Lab Sample ID: 480-165905-10
Matrix: Solid Lab File ID: X21466012.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:20
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.72(g) Date Analyzed: 02/10/2020 16:30
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 7.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	180	U	180	28
191-24-2	Benzo[g,h,i]perylene	180	U	180	19
207-08-9	Benzo[k]fluoranthene	180	U	180	23
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	38
111-44-4	Bis(2-chloroethyl)ether	180	U	180	23
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	61
85-68-7	Butyl benzyl phthalate	180	U	180	29
105-60-2	Caprolactam	180	U	180	54
86-74-8	Carbazole	180	U	180	21
218-01-9	Chrysene	180	U	180	40
53-70-3	Dibenz(a,h)anthracene	180	U	180	32
132-64-9	Dibenzofuran	180	U	180	21
84-66-2	Diethyl phthalate	180	U	180	23
131-11-3	Dimethyl phthalate	180	U	180	21
84-74-2	Di-n-butyl phthalate	180	U	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	21
206-44-0	Fluoranthene	180	U	180	19
86-73-7	Fluorene	180	U	180	21
118-74-1	Hexachlorobenzene	180	U	180	24
87-68-3	Hexachlorobutadiene	180	U	180	26
77-47-4	Hexachlorocyclopentadiene	180	U	180	24
67-72-1	Hexachloroethane	180	U	180	23
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	22
78-59-1	Isophorone	180	U	180	38
91-20-3	Naphthalene	180	U	180	23
98-95-3	Nitrobenzene	180	U	180	20
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	350	U	350	180
85-01-8	Phenanthrene	180	U	180	26
108-95-2	Phenol	180	U	180	27
129-00-0	Pyrene	180	U	180	21

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(21-23)(02042020) Lab Sample ID: 480-165905-11
Matrix: Solid Lab File ID: X21466013.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:15
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.76(g) Date Analyzed: 02/10/2020 16:55
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	59
108-60-1	2,2'-oxybis(1-chloropropane)	180	U	180	37
95-95-4	2,4,5-Trichlorophenol	180	U	180	49
88-06-2	2,4,6-Trichlorophenol	180	U	180	37
120-83-2	2,4-Dichlorophenol	180	U	180	19
105-67-9	2,4-Dimethylphenol	180	U	180	44
51-28-5	2,4-Dinitrophenol	1800	U	1800	840
121-14-2	2,4-Dinitrotoluene	180	U	180	38
606-20-2	2,6-Dinitrotoluene	180	U	180	21
91-58-7	2-Chloronaphthalene	180	U	180	30
95-57-8	2-Chlorophenol	350	U	350	33
91-57-6	2-Methylnaphthalene	180	U	180	37
95-48-7	2-Methylphenol	180	U	180	21
88-74-4	2-Nitroaniline	350	U	350	27
88-75-5	2-Nitrophenol	180	U	180	52
91-94-1	3,3'-Dichlorobenzidine	350	U	350	210
99-09-2	3-Nitroaniline	350	U	350	50
534-52-1	4,6-Dinitro-2-methylphenol	350	U	350	180
101-55-3	4-Bromophenyl phenyl ether	180	U	180	26
59-50-7	4-Chloro-3-methylphenol	180	U	180	45
106-47-8	4-Chloroaniline	180	U	180	45
7005-72-3	4-Chlorophenyl phenyl ether	180	U	180	23
106-44-5	4-Methylphenol	350	U	350	21
100-01-6	4-Nitroaniline	350	U	350	96
100-02-7	4-Nitrophenol	350	U	350	130
83-32-9	Acenaphthene	180	U	180	27
208-96-8	Acenaphthylene	180	U	180	24
98-86-2	Acetophenone	180	U	180	25
120-12-7	Anthracene	180	U	180	45
1912-24-9	Atrazine	180	U	180	63
100-52-7	Benzaldehyde	180	U	180	150
56-55-3	Benzo[a]anthracene	180	U	180	18
50-32-8	Benzo[a]pyrene	180	U	180	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-3(21-23)(02042020) Lab Sample ID: 480-165905-11
Matrix: Solid Lab File ID: X21466013.D
Analysis Method: 8270D Date Collected: 02/04/2020 11:15
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.76(g) Date Analyzed: 02/10/2020 16:55
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 9.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	180	U	180	29
191-24-2	Benzo[g,h,i]perylene	180	U	180	19
207-08-9	Benzo[k]fluoranthene	180	U	180	24
111-91-1	Bis(2-chloroethoxy)methane	180	U	180	39
111-44-4	Bis(2-chloroethyl)ether	180	U	180	24
117-81-7	Bis(2-ethylhexyl) phthalate	180	U	180	62
85-68-7	Butyl benzyl phthalate	180	U	180	30
105-60-2	Caprolactam	180	U	180	55
86-74-8	Carbazole	180	U	180	21
218-01-9	Chrysene	180	U	180	41
53-70-3	Dibenz(a,h)anthracene	180	U	180	32
132-64-9	Dibenzofuran	180	U	180	21
84-66-2	Diethyl phthalate	180	U	180	24
131-11-3	Dimethyl phthalate	180	U	180	21
84-74-2	Di-n-butyl phthalate	180	U	180	31
117-84-0	Di-n-octyl phthalate	180	U	180	21
206-44-0	Fluoranthene	180	U	180	19
86-73-7	Fluorene	180	U	180	21
118-74-1	Hexachlorobenzene	180	U	180	25
87-68-3	Hexachlorobutadiene	180	U	180	27
77-47-4	Hexachlorocyclopentadiene	180	U	180	25
67-72-1	Hexachloroethane	180	U	180	24
193-39-5	Indeno[1,2,3-cd]pyrene	180	U	180	23
78-59-1	Isophorone	180	U	180	39
91-20-3	Naphthalene	180	U	180	24
98-95-3	Nitrobenzene	180	U	180	20
621-64-7	N-Nitrosodi-n-propylamine	180	U	180	31
86-30-6	N-Nitrosodiphenylamine	180	U	180	150
87-86-5	Pentachlorophenol	350	U	350	180
85-01-8	Phenanthrene	180	U	180	27
108-95-2	Phenol	180	U	180	28
129-00-0	Pyrene	180	U	180	21

MT 2/28/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02032020) Lab Sample ID: 480-165905-12
Matrix: Water Lab File ID: Y02814601.D
Analysis Method: 8270D Date Collected: 02/03/2020 18:15
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 20:44
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	5.0	U	5.0	0.65
123-91-1	1,4-Dioxane	10	U	10	1.1
108-60-1	2,2'-oxybis(1-chloropropane)	5.0	U	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	5.0	U	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	5.0	U	5.0	0.61
120-83-2	2,4-Dichlorophenol	5.0	U	5.0	0.51
105-67-9	2,4-Dimethylphenol	5.0	U	5.0	0.50
51-28-5	2,4-Dinitrophenol	10	U	10	2.2
121-14-2	2,4-Dinitrotoluene	5.0	U	5.0	0.45
606-20-2	2,6-Dinitrotoluene	5.0	U	5.0	0.40
91-58-7	2-Chloronaphthalene	5.0	U	5.0	0.46
95-57-8	2-Chlorophenol	5.0	U	5.0	0.53
91-57-6	2-Methylnaphthalene	5.0	U	5.0	0.60
95-48-7	2-Methylphenol	5.0	U	5.0	0.40
88-74-4	2-Nitroaniline	10	U	10	0.42
88-75-5	2-Nitrophenol	5.0	U	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	5.0	U	5.0	0.40
99-09-2	3-Nitroaniline	10	U	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	10	U	10	2.2
101-55-3	4-Bromophenyl phenyl ether	5.0	U	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	5.0	U	5.0	0.45
106-47-8	4-Chloroaniline	5.0	U	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35
106-44-5	4-Methylphenol	10	U	10	0.36
100-01-6	4-Nitroaniline	10	U	10	0.25
100-02-7	4-Nitrophenol	10	U	10	1.5
83-32-9	Acenaphthene	5.0	U	5.0	0.41
208-96-8	Acenaphthylene	5.0	U	5.0	0.38
98-86-2	Acetophenone	5.0	U	5.0	0.54
120-12-7	Anthracene	5.0	U	5.0	0.28
1912-24-9	Atrazine	5.0	U	5.0	0.46
100-52-7	Benzaldehyde	5.0	U	5.0	0.27
56-55-3	Benzo[a]anthracene	5.0	U	5.0	0.36
50-32-8	Benzo[a]pyrene	5.0	U	5.0	0.47

MT 2/28/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02032020) Lab Sample ID: 480-165905-12
Matrix: Water Lab File ID: Y02814601.D
Analysis Method: 8270D Date Collected: 02/03/2020 18:15
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 20:44
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	5.0	U	5.0	0.34
191-24-2	Benzo[g,h,i]perylene	5.0	U	5.0	0.35
207-08-9	Benzo[k]fluoranthene	5.0	U	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	5.0	U	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2
85-68-7	Butyl benzyl phthalate	5.0	U	5.0	1.0
105-60-2	Caprolactam	5.0	U	5.0	2.2
86-74-8	Carbazole	5.0	U	5.0	0.30
218-01-9	Chrysene	5.0	U	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	5.0	U	5.0	0.42
132-64-9	Dibenzofuran	10	U	10	0.51
84-66-2	Diethyl phthalate	5.0	U	5.0	0.22
131-11-3	Dimethyl phthalate	5.0	U	5.0	0.36
84-74-2	Di-n-butyl phthalate	5.0	U	5.0	0.31
117-84-0	Di-n-octyl phthalate	5.0	U	5.0	0.47
206-44-0	Fluoranthene	5.0	U	5.0	0.40
86-73-7	Fluorene	5.0	U	5.0	0.36
118-74-1	Hexachlorobenzene	5.0	U	5.0	0.51
87-68-3	Hexachlorobutadiene	5.0	U	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	5.0	U	5.0	0.59
67-72-1	Hexachloroethane	5.0	U	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47
78-59-1	Isophorone	5.0	U	5.0	0.43
91-20-3	Naphthalene	5.0	U	5.0	0.76
98-95-3	Nitrobenzene	5.0	U	5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	5.0	U	5.0	0.51
87-86-5	Pentachlorophenol	10	U	10	2.2
85-01-8	Phenanthrene	5.0	U	5.0	0.44
108-95-2	Phenol	5.0	U	5.0	0.39
129-00-0	Pyrene	5.0	U	5.0	0.34

MT 2/12/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02042020) Lab Sample ID: 480-165905-13
Matrix: Water Lab File ID: Y02814602.D
Analysis Method: 8270D Date Collected: 02/04/2020 08:45
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 21:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	5.0	U	5.0	0.65
123-91-1	1,4-Dioxane	10	U	10	1.1
108-60-1	2,2'-oxybis(1-chloropropane)	5.0	U	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	5.0	U	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	5.0	U	5.0	0.61
120-83-2	2,4-Dichlorophenol	5.0	U	5.0	0.51
105-67-9	2,4-Dimethylphenol	5.0	U	5.0	0.50
51-28-5	2,4-Dinitrophenol	10	U	10	2.2
121-14-2	2,4-Dinitrotoluene	5.0	U	5.0	0.45
606-20-2	2,6-Dinitrotoluene	5.0	U	5.0	0.40
91-58-7	2-Chloronaphthalene	5.0	U	5.0	0.46
95-57-8	2-Chlorophenol	5.0	U	5.0	0.53
91-57-6	2-Methylnaphthalene	5.0	U	5.0	0.60
95-48-7	2-Methylphenol	5.0	U	5.0	0.40
88-74-4	2-Nitroaniline	10	U	10	0.42
88-75-5	2-Nitrophenol	5.0	U	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	5.0	U	5.0	0.40
99-09-2	3-Nitroaniline	10	U	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	10	U	10	2.2
101-55-3	4-Bromophenyl phenyl ether	5.0	U	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	5.0	U	5.0	0.45
106-47-8	4-Chloroaniline	5.0	U	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35
106-44-5	4-Methylphenol	10	U	10	0.36
100-01-6	4-Nitroaniline	10	U	10	0.25
100-02-7	4-Nitrophenol	10	U	10	1.5
83-32-9	Acenaphthene	5.0	U	5.0	0.41
208-96-8	Acenaphthylene	5.0	U	5.0	0.38
98-86-2	Acetophenone	5.0	U	5.0	0.54
120-12-7	Anthracene	5.0	U	5.0	0.28
1912-24-9	Atrazine	5.0	U	5.0	0.46
100-52-7	Benzaldehyde	5.0	U	5.0	0.27
56-55-3	Benzo[a]anthracene	5.0	U	5.0	0.36
50-32-8	Benzo[a]pyrene	5.0	U	5.0	0.47

MT 2/18/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: EB(02042020) Lab Sample ID: 480-165905-13
Matrix: Water Lab File ID: Y02814602.D
Analysis Method: 8270D Date Collected: 02/04/2020 08:45
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 21:13
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	5.0	U	5.0	0.34
191-24-2	Benzo[g,h,i]perylene	5.0	U	5.0	0.35
207-08-9	Benzo[k]fluoranthene	5.0	U	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	5.0	U	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2
85-68-7	Butyl benzyl phthalate	5.0	U	5.0	1.0
105-60-2	Caprolactam	5.0	U	5.0	2.2
86-74-8	Carbazole	5.0	U	5.0	0.30
218-01-9	Chrysene	5.0	U	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	5.0	U	5.0	0.42
132-64-9	Dibenzofuran	10	U	10	0.51
84-66-2	Diethyl phthalate	5.0	U	5.0	0.22
131-11-3	Dimethyl phthalate	5.0	U	5.0	0.36
84-74-2	Di-n-butyl phthalate	5.0	U	5.0	0.31
117-84-0	Di-n-octyl phthalate	5.0	U	5.0	0.47
206-44-0	Fluoranthene	5.0	U	5.0	0.40
86-73-7	Fluorene	5.0	U	5.0	0.36
118-74-1	Hexachlorobenzene	5.0	U	5.0	0.51
87-68-3	Hexachlorobutadiene	5.0	U	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	5.0	U	5.0	0.59
67-72-1	Hexachloroethane	5.0	U	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47
78-59-1	Isophorone	5.0	U	5.0	0.43
91-20-3	Naphthalene	5.0	U	5.0	0.76
98-95-3	Nitrobenzene	5.0	U	5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	5.0	U	5.0	0.51
87-86-5	Pentachlorophenol	10	U	10	2.2
85-01-8	Phenanthrene	5.0	U	5.0	0.44
108-95-2	Phenol	5.0	U	5.0	0.39
129-00-0	Pyrene	5.0	U	5.0	0.34

MT 2/26/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(8-10)(02042020) Lab Sample ID: 480-165905-15
Matrix: Solid Lab File ID: X21466014.D
Analysis Method: 8270D Date Collected: 02/04/2020 12:10
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.47(g) Date Analyzed: 02/10/2020 17:19
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	190	U	190	28
123-91-1	1,4-Dioxane	110	U	110	61
108-60-1	2,2'-oxybis(1-chloropropane)	190	U	190	38
95-95-4	2,4,5-Trichlorophenol	190	U	190	51
88-06-2	2,4,6-Trichlorophenol	190	U	190	38
120-83-2	2,4-Dichlorophenol	190	U	190	20
105-67-9	2,4-Dimethylphenol	190	U	190	45
51-28-5	2,4-Dinitrophenol	1800	U	1800	870
121-14-2	2,4-Dinitrotoluene	190	U	190	39
606-20-2	2,6-Dinitrotoluene	190	U	190	22
91-58-7	2-Chloronaphthalene	190	U	190	31
95-57-8	2-Chlorophenol	360	U	360	34
91-57-6	2-Methylnaphthalene	190	U	190	38
95-48-7	2-Methylphenol	190	U	190	22
88-74-4	2-Nitroaniline	360	U	360	28
88-75-5	2-Nitrophenol	190	U	190	53
91-94-1	3,3'-Dichlorobenzidine	360	U	360	220
99-09-2	3-Nitroaniline	360	U	360	52
534-52-1	4,6-Dinitro-2-methylphenol	360	U	360	190
101-55-3	4-Bromophenyl phenyl ether	190	U	190	27
59-50-7	4-Chloro-3-methylphenol	190	U	190	46
106-47-8	4-Chloroaniline	190	U	190	46
7005-72-3	4-Chlorophenyl phenyl ether	190	U	190	23
106-44-5	4-Methylphenol	360	U	360	22
100-01-6	4-Nitroaniline	360	U	360	98
100-02-7	4-Nitrophenol	360	U	360	130
83-32-9	Acenaphthene	190	U	190	28
208-96-8	Acenaphthylene	190	U	190	24
98-86-2	Acetophenone	190	U	190	25
120-12-7	Anthracene	190	U	190	46
1912-24-9	Atrazine	190	U	190	65
100-52-7	Benzaldehyde	190	U	190	150
56-55-3	Benzo[a]anthracene	68	J	190	19
50-32-8	Benzo[a]pyrene	68	J	190	28

MT 2/20/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(8-10)(02042020) Lab Sample ID: 480-165905-15
Matrix: Solid Lab File ID: X21466014.D
Analysis Method: 8270D Date Collected: 02/04/2020 12:10
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.47(g) Date Analyzed: 02/10/2020 17:19
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 10.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	110	J	190	30
191-24-2	Benzo[g,h,i]perylene	65	J	190	20
207-08-9	Benzo[k]fluoranthene	39	J	190	24
111-91-1	Bis(2-chloroethoxy)methane	190	U	190	40
111-44-4	Bis(2-chloroethyl)ether	190	U	190	24
117-81-7	Bis(2-ethylhexyl) phthalate	94	J	190	64
85-68-7	Butyl benzyl phthalate	190	U	190	31
105-60-2	Caprolactam	190	U	190	56
86-74-8	Carbazole	190	U	190	22
218-01-9	Chrysene	190	U	190	42
53-70-3	Dibenz(a,h)anthracene	190	U	190	33
132-64-9	Dibenzofuran	190	U	190	22
84-66-2	Diethyl phthalate	190	U	190	24
131-11-3	Dimethyl phthalate	190	U	190	22
84-74-2	Di-n-butyl phthalate	190	U	190	32
117-84-0	Di-n-octyl phthalate	34	J	190	22
206-44-0	Fluoranthene	91	J	190	20
86-73-7	Fluorene	190	U	190	22
118-74-1	Hexachlorobenzene	190	U	190	25
87-68-3	Hexachlorobutadiene	190	U	190	28
77-47-4	Hexachlorocyclopentadiene	190	U	190	25
67-72-1	Hexachloroethane	190	U	190	24
193-39-5	Indeno[1,2,3-cd]pyrene	61	J	190	23
78-59-1	Isophorone	190	U	190	40
91-20-3	Naphthalene	190	U	190	24
98-95-3	Nitrobenzene	190	U	190	21
621-64-7	N-Nitrosodi-n-propylamine	190	U	190	32
86-30-6	N-Nitrosodiphenylamine	190	U	190	150
87-86-5	Pentachlorophenol	360	U	360	190
85-01-8	Phenanthrene	37	J	190	28
108-95-2	Phenol	190	U	190	29
129-00-0	Pyrene	84	J	190	22

MT 2/20/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1

SDG No.:

Client Sample ID: OS-SCB-4(18-20)(02042020) Lab Sample ID: 480-165905-16

Matrix: Solid Lab File ID: X21466015.D

Analysis Method: 8270D Date Collected: 02/04/2020 12:15

Extract. Method: 3550C Date Extracted: 02/07/2020 14:43

Sample wt/vol: 30.58(g) Date Analyzed: 02/10/2020 17:43

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 27.0 GPC Cleanup:(Y/N) N

Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	230	U	230	34
123-91-1	1,4-Dioxane	130	U	130	74
108-60-1	2,2'-oxybis(1-chloropropane)	230	U	230	46
95-95-4	2,4,5-Trichlorophenol	230	U	230	62
88-06-2	2,4,6-Trichlorophenol	230	U	230	46
120-83-2	2,4-Dichlorophenol	230	U	230	24
105-67-9	2,4-Dimethylphenol	230	U	230	55
51-28-5	2,4-Dinitrophenol	2200	U	2200	1100
121-14-2	2,4-Dinitrotoluene	230	U	230	47
606-20-2	2,6-Dinitrotoluene	230	U	230	27
91-58-7	2-Chloronaphthalene	230	U	230	38
95-57-8	2-Chlorophenol	440	U	440	42
91-57-6	2-Methylnaphthalene	230	U	230	46
95-48-7	2-Methylphenol	230	U	230	27
88-74-4	2-Nitroaniline	440	U	440	34
88-75-5	2-Nitrophenol	230	U	230	65
91-94-1	3,3'-Dichlorobenzidine	440	U	440	270
99-09-2	3-Nitroaniline	440	U	440	63
534-52-1	4,6-Dinitro-2-methylphenol	440	U	440	230
101-55-3	4-Bromophenyl phenyl ether	230	U	230	32
59-50-7	4-Chloro-3-methylphenol	230	U	230	56
106-47-8	4-Chloroaniline	230	U	230	56
7005-72-3	4-Chlorophenyl phenyl ether	230	U	230	28
106-44-5	4-Methylphenol	440	U	440	27
100-01-6	4-Nitroaniline	440	U	440	120
100-02-7	4-Nitrophenol	440	U	440	160
83-32-9	Acenaphthene	230	U	230	34
208-96-8	Acenaphthylene	230	U	230	30
98-86-2	Acetophenone	230	U	230	31
120-12-7	Anthracene	230	U	230	56
1912-24-9	Atrazine	230	U	230	79
100-52-7	Benzaldehyde	230	U	230	180
56-55-3	Benzo[a]anthracene	230	U	230	23
50-32-8	Benzo[a]pyrene	230	U	230	34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165905-1
SDG No.:
Client Sample ID: OS-SCB-4(18-20)(02042020) Lab Sample ID: 480-165905-16
Matrix: Solid Lab File ID: X21466015.D
Analysis Method: 8270D Date Collected: 02/04/2020 12:15
Extract. Method: 3550C Date Extracted: 02/07/2020 14:43
Sample wt/vol: 30.58(g) Date Analyzed: 02/10/2020 17:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 27.0 GPC Cleanup:(Y/N) N
Analysis Batch No.: 516882 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	230	U	230	36
191-24-2	Benzo[g,h,i]perylene	230	U	230	24
207-08-9	Benzo[k]fluoranthene	230	U	230	30
111-91-1	Bis(2-chloroethoxy)methane	230	U	230	48
111-44-4	Bis(2-chloroethyl)ether	230	U	230	30
117-81-7	Bis(2-ethylhexyl) phthalate	230	U	230	78
85-68-7	Butyl benzyl phthalate	230	U	230	38
105-60-2	Caprolactam	230	U	230	69
86-74-8	Carbazole	230	U	230	27
218-01-9	Chrysene	230	U	230	51
53-70-3	Dibenz(a,h)anthracene	230	U	230	40
132-64-9	Dibenzofuran	230	U	230	27
84-66-2	Diethyl phthalate	230	U	230	30
131-11-3	Dimethyl phthalate	230	U	230	27
84-74-2	Di-n-butyl phthalate	230	U	230	39
117-84-0	Di-n-octyl phthalate	230	U	230	27
206-44-0	Fluoranthene	230	U	230	24
86-73-7	Fluorene	230	U	230	27
118-74-1	Hexachlorobenzene	230	U	230	31
87-68-3	Hexachlorobutadiene	230	U	230	34
77-47-4	Hexachlorocyclopentadiene	230	U	230	31
67-72-1	Hexachloroethane	230	U	230	30
193-39-5	Indeno[1,2,3-cd]pyrene	230	U	230	28
78-59-1	Isophorone	230	U	230	48
91-20-3	Naphthalene	230	U	230	30
98-95-3	Nitrobenzene	230	U	230	26
621-64-7	N-Nitrosodi-n-propylamine	230	U	230	39
86-30-6	N-Nitrosodiphenylamine	230	U	230	190
87-86-5	Pentachlorophenol	440	U	440	230
85-01-8	Phenanthrene	230	U	230	34
108-95-2	Phenol	230	U	230	35
129-00-0	Pyrene	230	U	230	27

MT 2/18/20

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: February 28, 2020

SDG : 480-165970-1

Laboratory: Test America, Buffalo, New York

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	OS-SCB5(10-12)(02042020)	480-165970-1	Solid
02	OS-SCB5(8-10)(02042020)	480-165970-2	Solid
03	OS-SCB5(16-18)(02042020)	480-165970-3	Solid
04	OS-SCB-8(18.73-20.95)(02042020)	480-165970-4	Solid
05	OS-SCB-8(20.95-23.12)(02042020)	480-165970-5	Solid
06	EB(02052020)	480-165970-6	Water
07	OS-SCB-6(18.73-20.95)(02052020)	480-165970-7	Solid
08	OS-SCB-6(20.95-23.12)(02052020)	480-165970-8	Solid
09	DUP(02052020)	480-165970-9	Solid
10	OS-SCB-7(24-25)(02052020)	480-165970-10	Solid
11	TB(02052020)	480-165970-11	Water

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 8260C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample (LCS) - All %R values met QC criteria except for the following.

LCS ID	Compound	%R	Qualifier	Affected Samples
480-516644/6	2-Butanone	170%	None	Samples ND
	Methyl acetate	144%	None	

Method Blank (MB) - The method blanks exhibited no target compounds.

Trip Blank/Equipment Blank (TB/EB) - The equipment blank sample EB(02042020) exhibited no target compounds. The trip blank sample TB(02052020) exhibited the following compounds.

Blank ID	Compound	Conc. ug/L	Qualifier	Affected Samples
TB(02052020)	Methylene chloride	0.70	None	Samples ND

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - All %D and RRF criteria were met.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate pair OS-SCB-6(18.73-20.95)(02052020) and DUP(02052020) exhibited acceptable precision.

Compound	OS-SCB-6(18.73-20.95)(02052020) ug/kg	DUP(02052020) ug/kg	RPD	Qualifier
1,1,1-Trichloroethane	820U	180	NC	None
1,1-Dichloroethane	450	340	28%	None
cis-1,2-Dichloroethene	820U	150	NC	None
Trichloroethene	34000	27000	23%	None

Sample Analysis - Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs) - TICs were not reported.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Method 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - The MS/MSD sample OS-SCB-7(24-25)(02052020) exhibited acceptable percent recoveries (%R) and RPD values.

Laboratory Control Sample (LCS) - All %R values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - The equipment blank sample EB(02042020) and EB(02052020) exhibited no target compounds.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - The field duplicate pair OS-SCB-6(18.73-20.95)(02052020) and DUP(02052020) exhibited acceptable precision.

Compound	OS-SCB-6(18.73-20.95)(02052020) ug/kg	DUP(02052020) ug/kg	RPD	Qualifier
None	ND	ND	-	-

Sample Analysis - Several samples were analyzed at a 5X dilution due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-5(10-12)(02042020) Lab Sample ID: 480-165970-1

Matrix: Solid Lab File ID: N1434.D

Analysis Method: 8260C Date Collected: 02/04/2020 13:15

Sample wt/vol: 7.113(g) Date Analyzed: 02/07/2020 18:51

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 13.3 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	11000		390	110
79-34-5	1,1,2,2-Tetrachloroethane	390	U	390	63
79-00-5	1,1,2-Trichloroethane	86	J	390	81
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	390	U	390	190
75-34-3	1,1-Dichloroethane	390	U	390	120
75-35-4	1,1-Dichloroethene	390	U	390	130
120-82-1	1,2,4-Trichlorobenzene	390	U	390	150
96-12-8	1,2-Dibromo-3-Chloropropane	390	U	390	190
95-50-1	1,2-Dichlorobenzene	390	U	390	98
107-06-2	1,2-Dichloroethane	390	U	390	160
78-87-5	1,2-Dichloropropane	390	U	390	62
541-73-1	1,3-Dichlorobenzene	390	U	390	100
106-46-7	1,4-Dichlorobenzene	390	U	390	54
78-93-3	2-Butanone (MEK)	1900	U	1900	1100
591-78-6	2-Hexanone	1900	U	1900	790
108-10-1	4-Methyl-2-pentanone (MIBK)	1900	U	1900	120
67-64-1	Acetone	1900	U	1900	1600
71-43-2	Benzene	390	U	390	73
75-27-4	Bromodichloromethane	390	U	390	77
75-25-2	Bromoform	390	U	390	190
74-83-9	Bromomethane	390	U	390	85
75-15-0	Carbon disulfide	390	U	390	180
56-23-5	Carbon tetrachloride	390	U	390	98
108-90-7	Chlorobenzene	390	U	390	51
124-48-1	Dibromochloromethane	390	U	390	190
75-00-3	Chloroethane	390	U	390	80
67-66-3	Chloroform	390	U	390	260
74-87-3	Chloromethane	390	U	390	92
156-59-2	cis-1,2-Dichloroethene	390	U	390	110
10061-01-5	cis-1,3-Dichloropropene	390	U	390	92
110-82-7	Cyclohexane	390	U	390	86
75-71-8	Dichlorodifluoromethane	390	U	390	170
100-41-4	Ethylbenzene	390	U	390	110
106-93-4	1,2-Dibromoethane	390	U	390	67
98-82-8	Isopropylbenzene	390	U	390	58

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-5(10-12)(02042020) Lab Sample ID: 480-165970-1

Matrix: Solid Lab File ID: N1434.D

Analysis Method: 8260C Date Collected: 02/04/2020 13:15

Sample wt/vol: 7.113(g) Date Analyzed: 02/07/2020 18:51

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 13.3 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1900	U	1900	180
1634-04-4	Methyl tert-butyl ether	390	U	390	150
108-87-2	Methylcyclohexane	390	U	390	180
75-09-2	Methylene Chloride	390	U	390	76
100-42-5	Styrene	390	U	390	93
127-18-4	Tetrachloroethene	390	U	390	52
108-88-3	Toluene	390	U	390	100
156-60-5	trans-1,2-Dichloroethene	390	U	390	91
10061-02-6	trans-1,3-Dichloropropene	390	U	390	38
79-01-6	Trichloroethene	9600		390	110
75-69-4	Trichlorofluoromethane	390	U	390	180
75-01-4	Vinyl chloride	390	U	390	130
1330-20-7	Xylenes, Total	770	U	770	210

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
1868-53-7	Dibromofluoromethane (Surr)	93		60-140

MT 2/25/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(8-10)(02042020) Lab Sample ID: 480-165970-2
Matrix: Solid Lab File ID: N1435.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:35
Sample wt/vol: 5.94(g) Date Analyzed: 02/07/2020 19:15
Soil Aliquot Vol: 100 (uL) Dilution Factor: 8
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 13.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	11000		460	130
79-34-5	1,1,2,2-Tetrachloroethane	460	U	460	74
79-00-5	1,1,2-Trichloroethane	460	U	460	96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	460	U	460	230
75-34-3	1,1-Dichloroethane	460	U	460	140
75-35-4	1,1-Dichloroethene	290	J	460	160
120-82-1	1,2,4-Trichlorobenzene	460	U	460	170
96-12-8	1,2-Dibromo-3-Chloropropane	460	U	460	230
95-50-1	1,2-Dichlorobenzene	460	U	460	120
107-06-2	1,2-Dichloroethane	460	U	460	190
78-87-5	1,2-Dichloropropane	460	U	460	74
541-73-1	1,3-Dichlorobenzene	460	U	460	120
106-46-7	1,4-Dichlorobenzene	460	U	460	64
78-93-3	2-Butanone (MEK)	2300	U	2300	1400
591-78-6	2-Hexanone	2300	U	2300	930
108-10-1	4-Methyl-2-pentanone (MIBK)	2300	U	2300	150
67-64-1	Acetone	2300	U	2300	1900
71-43-2	Benzene	460	U	460	87
75-27-4	Bromodichloromethane	460	U	460	91
75-25-2	Bromoform	460	U	460	230
74-83-9	Bromomethane	460	U	460	100
75-15-0	Carbon disulfide	460	U	460	210
56-23-5	Carbon tetrachloride	460	U	460	120
108-90-7	Chlorobenzene	460	U	460	60
124-48-1	Dibromochloromethane	460	U	460	220
75-00-3	Chloroethane	460	U	460	95
67-66-3	Chloroform	460	U	460	310
74-87-3	Chloromethane	460	U	460	110
156-59-2	cis-1,2-Dichloroethene	230	J	460	130
10061-01-5	cis-1,3-Dichloropropene	460	U	460	110
110-82-7	Cyclohexane	460	U	460	100
75-71-8	Dichlorodifluoromethane	460	U	460	200
100-41-4	Ethylbenzene	460	U	460	130
106-93-4	1,2-Dibromoethane	460	U	460	80
98-82-8	Isopropylbenzene	460	U	460	68

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(8-10)(02042020) Lab Sample ID: 480-165970-2
Matrix: Solid Lab File ID: N1435.D
Analysis Method: 8260C Date Collected: 02/04/2020 12:35
Sample wt/vol: 5.94(g) Date Analyzed: 02/07/2020 19:15
Soil Aliquot Vol: 100 (uL) Dilution Factor: 8
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 13.9 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2300	U	2300	220
1634-04-4	Methyl tert-butyl ether	460	U	460	170
108-87-2	Methylcyclohexane	460	U	460	210
75-09-2	Methylene Chloride	460	U	460	90
100-42-5	Styrene	460	U	460	110
127-18-4	Tetrachloroethene	460	U	460	61
108-88-3	Toluene	460	U	460	120
156-60-5	trans-1,2-Dichloroethene	460	U	460	110
10061-02-6	trans-1,3-Dichloropropene	460	U	460	45
79-01-6	Trichloroethene	19000		460	130
75-69-4	Trichlorofluoromethane	460	U	460	210
75-01-4	Vinyl chloride	460	U	460	150
1330-20-7	Xylenes, Total	910	U	910	250

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	106		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
1868-53-7	Dibromofluoromethane (Surr)	93		60-140

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(16-18)(02042020) Lab Sample ID: 480-165970-3
Matrix: Solid Lab File ID: N1436.D
Analysis Method: 8260C Date Collected: 02/04/2020 13:00
Sample wt/vol: 5.947(g) Date Analyzed: 02/07/2020 19:39
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 12.4 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	110		55	15
79-34-5	1,1,2,2-Tetrachloroethane	55	U	55	8.9
79-00-5	1,1,2-Trichloroethane	55	U	55	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55	U	55	28
75-34-3	1,1-Dichloroethane	55	U	55	17
75-35-4	1,1-Dichloroethene	55	U	55	19
120-82-1	1,2,4-Trichlorobenzene	55	U	55	21
96-12-8	1,2-Dibromo-3-Chloropropane	55	U	55	28
95-50-1	1,2-Dichlorobenzene	55	U	55	14
107-06-2	1,2-Dichloroethane	55	U	55	23
78-87-5	1,2-Dichloropropane	55	U	55	8.9
541-73-1	1,3-Dichlorobenzene	55	U	55	15
106-46-7	1,4-Dichlorobenzene	55	U	55	7.7
78-93-3	2-Butanone (MEK)	280	U	280	160
591-78-6	2-Hexanone	280	U	280	110
108-10-1	4-Methyl-2-pentanone (MIBK)	280	U	280	18
67-64-1	Acetone	280	U	280	230
71-43-2	Benzene	55	U	55	10
75-27-4	Bromodichloromethane	55	U	55	11
75-25-2	Bromoform	55	U	55	28
74-83-9	Bromomethane	55	U	55	12
75-15-0	Carbon disulfide	55	U	55	25
56-23-5	Carbon tetrachloride	55	U	55	14
108-90-7	Chlorobenzene	55	U	55	7.3
124-48-1	Dibromochloromethane	55	U	55	27
75-00-3	Chloroethane	55	U	55	11
67-66-3	Chloroform	55	U	55	38
74-87-3	Chloromethane	55	U	55	13
156-59-2	cis-1,2-Dichloroethene	55	U	55	15
10061-01-5	cis-1,3-Dichloropropene	55	U	55	13
110-82-7	Cyclohexane	55	U	55	12
75-71-8	Dichlorodifluoromethane	55	U	55	24
100-41-4	Ethylbenzene	55	U	55	16
106-93-4	1,2-Dibromoethane	55	U	55	9.6
98-82-8	Isopropylbenzene	55	U	55	8.3

MT 2/26/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(16-18)(02042020) Lab Sample ID: 480-165970-3
Matrix: Solid Lab File ID: N1436.D
Analysis Method: 8260C Date Collected: 02/04/2020 13:00
Sample wt/vol: 5.947(g) Date Analyzed: 02/07/2020 19:39
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 12.4 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	280	U	280	26
1634-04-4	Methyl tert-butyl ether	55	U	55	21
108-87-2	Methylcyclohexane	55	U	55	26
75-09-2	Methylene Chloride	55	U	55	11
100-42-5	Styrene	55	U	55	13
127-18-4	Tetrachloroethene	55	U	55	7.4
108-88-3	Toluene	55	U	55	15
156-60-5	trans-1,2-Dichloroethene	55	U	55	13
10061-02-6	trans-1,3-Dichloropropene	55	U	55	5.4
79-01-6	Trichloroethene	160		55	15
75-69-4	Trichlorofluoromethane	55	U	55	26
75-01-4	Vinyl chloride	55	U	55	18
1330-20-7	Xylenes, Total	110	U	110	30

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
1868-53-7	Dibromofluoromethane (Surr)	86		60-140

MT 2/29/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(18.73-20.95) (02042020) Lab Sample ID: 480-165970-4

Matrix: Solid Lab File ID: N1437.D

Analysis Method: 8260C Date Collected: 02/04/2020 15:45

Sample wt/vol: 6.063(g) Date Analyzed: 02/07/2020 20:03

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 27.5 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	300	U	300	84
79-34-5	1,1,2,2-Tetrachloroethane	300	U	300	49
79-00-5	1,1,2-Trichloroethane	300	U	300	64
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	300	U	300	150
75-34-3	1,1-Dichloroethane	370		300	94
75-35-4	1,1-Dichloroethene	210	J	300	110
120-82-1	1,2,4-Trichlorobenzene	300	U	300	120
96-12-8	1,2-Dibromo-3-Chloropropane	300	U	300	150
95-50-1	1,2-Dichlorobenzene	300	U	300	77
107-06-2	1,2-Dichloroethane	300	U	300	120
78-87-5	1,2-Dichloropropane	300	U	300	49
541-73-1	1,3-Dichlorobenzene	300	U	300	81
106-46-7	1,4-Dichlorobenzene	300	U	300	42
78-93-3	2-Butanone (MEK)	1500	U	1500	900
591-78-6	2-Hexanone	1500	U	1500	620
108-10-1	4-Methyl-2-pentanone (MIBK)	1500	U	1500	97
67-64-1	Acetone	1500	U	1500	1200
71-43-2	Benzene	300	U	300	58
75-27-4	Bromodichloromethane	300	U	300	61
75-25-2	Bromoform	300	U	300	150
74-83-9	Bromomethane	300	U	300	67
75-15-0	Carbon disulfide	300	U	300	140
56-23-5	Carbon tetrachloride	300	U	300	77
108-90-7	Chlorobenzene	300	U	300	40
124-48-1	Dibromochloromethane	300	U	300	150
75-00-3	Chloroethane	300	U	300	63
67-66-3	Chloroform	300	U	300	210
74-87-3	Chloromethane	300	U	300	72
156-59-2	cis-1,2-Dichloroethene	300	U	300	84
10061-01-5	cis-1,3-Dichloropropene	300	U	300	73
110-82-7	Cyclohexane	300	U	300	67
75-71-8	Dichlorodifluoromethane	300	U	300	130
100-41-4	Ethylbenzene	300	U	300	88
106-93-4	1,2-Dibromoethane	300	U	300	53

MT 2/20/20

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(18.73-20.95) (02042020) Lab Sample ID: 480-165970-4

Matrix: Solid Lab File ID: N1437.D

Analysis Method: 8260C Date Collected: 02/04/2020 15:45

Sample wt/vol: 6.063(g) Date Analyzed: 02/07/2020 20:03

Soil Aliquot Vol: 100 (uL) Dilution Factor: 4

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 27.5 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	300	U	300	46
79-20-9	Methyl acetate	1500	U	1500	140
1634-04-4	Methyl tert-butyl ether	300	U	300	110
108-87-2	Methylcyclohexane	300	U	300	140
75-09-2	Methylene Chloride	300	U	300	60
100-42-5	Styrene	300	U	300	73
127-18-4	Tetrachloroethene	260	J	300	41
108-88-3	Toluene	300	U	300	81
156-60-5	trans-1,2-Dichloroethene	300	U	300	72
10061-02-6	trans-1,3-Dichloropropene	300	U	300	30
79-01-6	Trichloroethene	20000		300	84
75-69-4	Trichlorofluoromethane	300	U	300	140
75-01-4	Vinyl chloride	300	U	300	100
1330-20-7	Xylenes, Total	610	U	610	170

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	90		49-148
1868-53-7	Dibromofluoromethane (Surr)	92		60-140

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(20.95-23.12) (02042020) Lab Sample ID: 480-165970-5

Matrix: Solid Lab File ID: N1438.D

Analysis Method: 8260C Date Collected: 02/04/2020 15:55

Sample wt/vol: 5.928(g) Date Analyzed: 02/07/2020 20:27

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 28.3 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	630	U	630	170
79-34-5	1,1,2,2-Tetrachloroethane	630	U	630	100
79-00-5	1,1,2-Trichloroethane	630	U	630	130
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	630	U	630	310
75-34-3	1,1-Dichloroethane	520	J	630	190
75-35-4	1,1-Dichloroethene	220	J	630	220
120-82-1	1,2,4-Trichlorobenzene	630	U	630	240
96-12-8	1,2-Dibromo-3-Chloropropane	630	U	630	310
95-50-1	1,2-Dichlorobenzene	630	U	630	160
107-06-2	1,2-Dichloroethane	630	U	630	260
78-87-5	1,2-Dichloropropane	630	U	630	100
541-73-1	1,3-Dichlorobenzene	630	U	630	170
106-46-7	1,4-Dichlorobenzene	630	U	630	88
78-93-3	2-Butanone (MEK)	3100	U	3100	1900
591-78-6	2-Hexanone	3100	U	3100	1300
108-10-1	4-Methyl-2-pentanone (MIBK)	3100	U	3100	200
67-64-1	Acetone	3100	U	3100	2600
71-43-2	Benzene	630	U	630	120
75-27-4	Bromodichloromethane	630	U	630	130
75-25-2	Bromoform	630	U	630	310
74-83-9	Bromomethane	630	U	630	140
75-15-0	Carbon disulfide	630	U	630	290
56-23-5	Carbon tetrachloride	630	U	630	160
108-90-7	Chlorobenzene	630	U	630	83
124-48-1	Dibromochloromethane	630	U	630	300
75-00-3	Chloroethane	630	U	630	130
67-66-3	Chloroform	630	U	630	430
74-87-3	Chloromethane	630	U	630	150
156-59-2	cis-1,2-Dichloroethene	630	U	630	170
10061-01-5	cis-1,3-Dichloropropene	630	U	630	150
110-82-7	Cyclohexane	630	U	630	140
75-71-8	Dichlorodifluoromethane	630	U	630	270
100-41-4	Ethylbenzene	630	U	630	180
106-93-4	1,2-Dibromoethane	630	U	630	110

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(20.95-23.12) (02042020) Lab Sample ID: 480-165970-5

Matrix: Solid Lab File ID: N1438.D

Analysis Method: 8260C Date Collected: 02/04/2020 15:55

Sample wt/vol: 5.928(g) Date Analyzed: 02/07/2020 20:27

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 28.3 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	630	U	630	94
79-20-9	Methyl acetate	3100	U	3100	300
1634-04-4	Methyl tert-butyl ether	630	U	630	240
108-87-2	Methylcyclohexane	630	U	630	290
75-09-2	Methylene Chloride	630	U	630	120
100-42-5	Styrene	630	U	630	150
127-18-4	Tetrachloroethene	630	U	630	85
108-88-3	Toluene	630	U	630	170
156-60-5	trans-1,2-Dichloroethene	630	U	630	150
10061-02-6	trans-1,3-Dichloropropene	630	U	630	62
79-01-6	Trichloroethene	27000		630	170
75-69-4	Trichlorofluoromethane	630	U	630	290
75-01-4	Vinyl chloride	630	U	630	210
1330-20-7	Xylenes, Total	1300	U	1300	350

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	101		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	90		60-140

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(18.73-20.95) (02052020) Lab Sample ID: 480-165970-7

Matrix: Solid Lab File ID: N1439.D

Analysis Method: 8260C Date Collected: 02/05/2020 10:15

Sample wt/vol: 5.241(g) Date Analyzed: 02/07/2020 20:51

Soil Aliquot Vol: 100 (uL) Dilution Factor: 10

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 25.8 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	820	U	820	230
79-34-5	1,1,2,2-Tetrachloroethane	820	U	820	130
79-00-5	1,1,2-Trichloroethane	820	U	820	170
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	820	U	820	410
75-34-3	1,1-Dichloroethane	450	J	820	250
75-35-4	1,1-Dichloroethene	820	U	820	280
120-82-1	1,2,4-Trichlorobenzene	820	U	820	310
96-12-8	1,2-Dibromo-3-Chloropropane	820	U	820	410
95-50-1	1,2-Dichlorobenzene	820	U	820	210
107-06-2	1,2-Dichloroethane	820	U	820	330
78-87-5	1,2-Dichloropropane	820	U	820	130
541-73-1	1,3-Dichlorobenzene	820	U	820	220
106-46-7	1,4-Dichlorobenzene	820	U	820	110
78-93-3	2-Butanone (MEK)	4100	U	4100	2400
591-78-6	2-Hexanone	4100	U	4100	1700
108-10-1	4-Methyl-2-pentanone (MIBK)	4100	U	4100	260
67-64-1	Acetone	4100	U	4100	3400
71-43-2	Benzene	820	U	820	160
75-27-4	Bromodichloromethane	820	U	820	160
75-25-2	Bromoform	820	U	820	410
74-83-9	Bromomethane	820	U	820	180
75-15-0	Carbon disulfide	820	U	820	370
56-23-5	Carbon tetrachloride	820	U	820	210
108-90-7	Chlorobenzene	820	U	820	110
124-48-1	Dibromochloromethane	820	U	820	400
75-00-3	Chloroethane	820	U	820	170
67-66-3	Chloroform	820	U	820	560
74-87-3	Chloromethane	820	U	820	190
156-59-2	cis-1,2-Dichloroethene	820	U	820	230
10061-01-5	cis-1,3-Dichloropropene	820	U	820	200
110-82-7	Cyclohexane	820	U	820	180
75-71-8	Dichlorodifluoromethane	820	U	820	360
100-41-4	Ethylbenzene	820	U	820	240
106-93-4	1,2-Dibromoethane	820	U	820	140

MT 2/28/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(18.73-20.95) (02052020) Lab Sample ID: 480-165970-7

Matrix: Solid Lab File ID: N1439.D

Analysis Method: 8260C Date Collected: 02/05/2020 10:15

Sample wt/vol: 5.241(g) Date Analyzed: 02/07/2020 20:51

Soil Aliquot Vol: 100 (uL) Dilution Factor: 10

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 25.8 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	820	U	820	120
79-20-9	Methyl acetate	4100	U	4100	390
1634-04-4	Methyl tert-butyl ether	820	U	820	310
108-87-2	Methylcyclohexane	820	U	820	380
75-09-2	Methylene Chloride	820	U	820	160
100-42-5	Styrene	820	U	820	200
127-18-4	Tetrachloroethene	820	U	820	110
108-88-3	Toluene	820	U	820	220
156-60-5	trans-1,2-Dichloroethene	820	U	820	190
10061-02-6	trans-1,3-Dichloropropene	820	U	820	80
79-01-6	Trichloroethene	34000		820	230
75-69-4	Trichlorofluoromethane	820	U	820	380
75-01-4	Vinyl chloride	820	U	820	270
1330-20-7	Xylenes, Total	1600	U	1600	450

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		53-146
460-00-4	4-Bromofluorobenzene (Surr)	97		49-148
1868-53-7	Dibromofluoromethane (Surr)	89		60-140

MT 2/25/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(20.95-23.12) (02052020) Lab Sample ID: 480-165970-8

Matrix: Solid Lab File ID: N1440.D

Analysis Method: 8260C Date Collected: 02/05/2020 10:20

Sample wt/vol: 5.161(g) Date Analyzed: 02/07/2020 21:15

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 25.2 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	650	U	650	180
79-34-5	1,1,2,2-Tetrachloroethane	650	U	650	110
79-00-5	1,1,2-Trichloroethane	650	U	650	140
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	650	U	650	330
75-34-3	1,1-Dichloroethane	630	J	650	200
75-35-4	1,1-Dichloroethene	650	U	650	230
120-82-1	1,2,4-Trichlorobenzene	650	U	650	250
96-12-8	1,2-Dibromo-3-Chloropropane	650	U	650	330
95-50-1	1,2-Dichlorobenzene	650	U	650	170
107-06-2	1,2-Dichloroethane	650	U	650	270
78-87-5	1,2-Dichloropropane	650	U	650	110
541-73-1	1,3-Dichlorobenzene	650	U	650	170
106-46-7	1,4-Dichlorobenzene	650	U	650	91
78-93-3	2-Butanone (MEK)	3300	U	3300	1900
591-78-6	2-Hexanone	3300	U	3300	1300
108-10-1	4-Methyl-2-pentanone (MIBK)	3300	U	3300	210
67-64-1	Acetone	3300	U	3300	2700
71-43-2	Benzene	650	U	650	120
75-27-4	Bromodichloromethane	650	U	650	130
75-25-2	Bromoform	650	U	650	330
74-83-9	Bromomethane	650	U	650	140
75-15-0	Carbon disulfide	650	U	650	300
56-23-5	Carbon tetrachloride	650	U	650	170
108-90-7	Chlorobenzene	650	U	650	86
124-48-1	Dibromochloromethane	650	U	650	320
75-00-3	Chloroethane	650	U	650	140
67-66-3	Chloroform	650	U	650	450
74-87-3	Chloromethane	650	U	650	160
156-59-2	cis-1,2-Dichloroethene	650	U	650	180
10061-01-5	cis-1,3-Dichloropropene	650	U	650	160
110-82-7	Cyclohexane	650	U	650	140
75-71-8	Dichlorodifluoromethane	650	U	650	280
100-41-4	Ethylbenzene	650	U	650	190
106-93-4	1,2-Dibromoethane	650	U	650	110

MT 2/20/20

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(20.95-23.12) (02052020) Lab Sample ID: 480-165970-8

Matrix: Solid Lab File ID: N1440.D

Analysis Method: 8260C Date Collected: 02/05/2020 10:20

Sample wt/vol: 5.161(g) Date Analyzed: 02/07/2020 21:15

Soil Aliquot Vol: 100 (uL) Dilution Factor: 8

Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)

% Moisture: 25.2 Level: (low/med) Medium

Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	650	U	650	98
79-20-9	Methyl acetate	3300	U	3300	310
1634-04-4	Methyl tert-butyl ether	650	U	650	250
108-87-2	Methylcyclohexane	650	U	650	310
75-09-2	Methylene Chloride	650	U	650	130
100-42-5	Styrene	650	U	650	160
127-18-4	Tetrachloroethene	650	U	650	88
108-88-3	Toluene	650	U	650	170
156-60-5	trans-1,2-Dichloroethene	650	U	650	150
10061-02-6	trans-1,3-Dichloropropene	650	U	650	64
79-01-6	Trichloroethene	34000		650	180
75-69-4	Trichlorofluoromethane	650	U	650	310
75-01-4	Vinyl chloride	650	U	650	220
1330-20-7	Xylenes, Total	1300	U	1300	360

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	88		60-140

MT 2/20/20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: DUP(02052020) Lab Sample ID: 480-165970-9
Matrix: Solid Lab File ID: N1441.D
Analysis Method: 8260C Date Collected: 02/05/2020 12:00
Sample wt/vol: 6.351(g) Date Analyzed: 02/07/2020 21:40
Soil Aliquot Vol: 100 (uL) Dilution Factor: 10
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 14.1 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	180	J	540	150
79-34-5	1,1,2,2-Tetrachloroethane	540	U	540	88
79-00-5	1,1,2-Trichloroethane	540	U	540	110
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	540	U	540	270
75-34-3	1,1-Dichloroethane	340	J	540	170
75-35-4	1,1-Dichloroethene	540	U	540	190
120-82-1	1,2,4-Trichlorobenzene	540	U	540	200
96-12-8	1,2-Dibromo-3-Chloropropane	540	U	540	270
95-50-1	1,2-Dichlorobenzene	540	U	540	140
107-06-2	1,2-Dichloroethane	540	U	540	220
78-87-5	1,2-Dichloropropane	540	U	540	88
541-73-1	1,3-Dichlorobenzene	540	U	540	140
106-46-7	1,4-Dichlorobenzene	540	U	540	76
78-93-3	2-Butanone (MEK)	2700	U	2700	1600
591-78-6	2-Hexanone	2700	U	2700	1100
108-10-1	4-Methyl-2-pentanone (MIBK)	2700	U	2700	170
67-64-1	Acetone	2700	U	2700	2200
71-43-2	Benzene	540	U	540	100
75-27-4	Bromodichloromethane	540	U	540	110
75-25-2	Bromoform	540	U	540	270
74-83-9	Bromomethane	540	U	540	120
75-15-0	Carbon disulfide	540	U	540	250
56-23-5	Carbon tetrachloride	540	U	540	140
108-90-7	Chlorobenzene	540	U	540	71
124-48-1	Dibromochloromethane	540	U	540	260
75-00-3	Chloroethane	540	U	540	110
67-66-3	Chloroform	540	U	540	370
74-87-3	Chloromethane	540	U	540	130
156-59-2	cis-1,2-Dichloroethene	150	J	540	150
10061-01-5	cis-1,3-Dichloropropene	540	U	540	130
110-82-7	Cyclohexane	540	U	540	120
75-71-8	Dichlorodifluoromethane	540	U	540	240
100-41-4	Ethylbenzene	540	U	540	160
106-93-4	1,2-Dibromoethane	540	U	540	95
98-82-8	Isopropylbenzene	540	U	540	81

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: DUP(02052020) Lab Sample ID: 480-165970-9
Matrix: Solid Lab File ID: N1441.D
Analysis Method: 8260C Date Collected: 02/05/2020 12:00
Sample wt/vol: 6.351(g) Date Analyzed: 02/07/2020 21:40
Soil Aliquot Vol: 100 (uL) Dilution Factor: 10
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 14.1 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2700	U	2700	260
1634-04-4	Methyl tert-butyl ether	540	U	540	200
108-87-2	Methylcyclohexane	540	U	540	250
75-09-2	Methylene Chloride	540	U	540	110
100-42-5	Styrene	540	U	540	130
127-18-4	Tetrachloroethene	540	U	540	73
108-88-3	Toluene	540	U	540	140
156-60-5	trans-1,2-Dichloroethene	540	U	540	130
10061-02-6	trans-1,3-Dichloropropene	540	U	540	53
79-01-6	Trichloroethene	27000		540	150
75-69-4	Trichlorofluoromethane	540	U	540	250
75-01-4	Vinyl chloride	540	U	540	180
1330-20-7	Xylenes, Total	1100	U	1100	300

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	103		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	95		49-148
1868-53-7	Dibromofluoromethane (Surr)	92		60-140

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-7(24-25)(02052020) Lab Sample ID: 480-165970-10
Matrix: Solid Lab File ID: N1442.D
Analysis Method: 8260C Date Collected: 02/05/2020 14:00
Sample wt/vol: 6.335(g) Date Analyzed: 02/07/2020 22:05
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 16.2 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	150		57	16
79-34-5	1,1,2,2-Tetrachloroethane	57	U	57	9.2
79-00-5	1,1,2-Trichloroethane	57	U	57	12
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	57	U	57	28
75-34-3	1,1-Dichloroethane	69		57	18
75-35-4	1,1-Dichloroethene	24	J	57	20
120-82-1	1,2,4-Trichlorobenzene	57	U	57	22
96-12-8	1,2-Dibromo-3-Chloropropane	57	U	57	28
95-50-1	1,2-Dichlorobenzene	57	U	57	14
107-06-2	1,2-Dichloroethane	57	U	57	23
78-87-5	1,2-Dichloropropane	57	U	57	9.2
541-73-1	1,3-Dichlorobenzene	57	U	57	15
106-46-7	1,4-Dichlorobenzene	57	U	57	8.0
78-93-3	2-Butanone (MEK)	280	U	280	170
591-78-6	2-Hexanone	280	U	280	120
108-10-1	4-Methyl-2-pentanone (MIBK)	280	U	280	18
67-64-1	Acetone	280	U	280	230
71-43-2	Benzene	57	U	57	11
75-27-4	Bromodichloromethane	57	U	57	11
75-25-2	Bromoform	57	U	57	28
74-83-9	Bromomethane	57	U	57	12
75-15-0	Carbon disulfide	57	U	57	26
56-23-5	Carbon tetrachloride	57	U	57	14
108-90-7	Chlorobenzene	57	U	57	7.5
124-48-1	Dibromochloromethane	57	U	57	27
75-00-3	Chloroethane	57	U	57	12
67-66-3	Chloroform	57	U	57	39
74-87-3	Chloromethane	57	U	57	14
156-59-2	cis-1,2-Dichloroethene	25	J	57	16
10061-01-5	cis-1,3-Dichloropropene	57	U	57	14
110-82-7	Cyclohexane	57	U	57	13
75-71-8	Dichlorodifluoromethane	57	U	57	25
100-41-4	Ethylbenzene	57	U	57	17
106-93-4	1,2-Dibromoethane	57	U	57	9.9
98-82-8	Isopropylbenzene	57	U	57	8.5

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-7(24-25)(02052020) Lab Sample ID: 480-165970-10
Matrix: Solid Lab File ID: N1442.D
Analysis Method: 8260C Date Collected: 02/05/2020 14:00
Sample wt/vol: 6.335(g) Date Analyzed: 02/07/2020 22:05
Soil Aliquot Vol: 100 (uL) Dilution Factor: 1
Soil Extract Vol.: 5(mL) GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: 16.2 Level: (low/med) Medium
Analysis Batch No.: 516667 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	280	U	280	27
1634-04-4	Methyl tert-butyl ether	57	U	57	21
108-87-2	Methylcyclohexane	57	U	57	27
75-09-2	Methylene Chloride	57	U	57	11
100-42-5	Styrene	57	U	57	14
127-18-4	Tetrachloroethene	21	J	57	7.6
108-88-3	Toluene	57	U	57	15
156-60-5	trans-1,2-Dichloroethene	57	U	57	13
10061-02-6	trans-1,3-Dichloropropene	57	U	57	5.6
79-01-6	Trichloroethene	3100		57	16
75-69-4	Trichlorofluoromethane	57	U	57	27
75-01-4	Vinyl chloride	57	U	57	19
1330-20-7	Xylenes, Total	110	U	110	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	104		50-149
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		53-146
460-00-4	4-Bromofluorobenzene (Surr)	93		49-148
1868-53-7	Dibromofluoromethane (Surr)	87		60-140

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: TB(02052020) Lab Sample ID: 480-165970-11
Matrix: Water Lab File ID: T0701.D
Analysis Method: 8260C Date Collected: 02/05/2020 00:00
Sample wt/vol: 5(mL) Date Analyzed: 02/07/2020 15:58
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516644 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.82
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.21
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.23
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.38
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.29
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.41
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.39
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.73
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.79
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.21
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.72
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.78
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.84
78-93-3	2-Butanone (MEK)	10	U TH	10	1.3
591-78-6	2-Hexanone	5.0	U	5.0	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	2.1
67-64-1	Acetone	10	U	10	3.0
71-43-2	Benzene	1.0	U	1.0	0.41
75-27-4	Bromodichloromethane	1.0	U	1.0	0.39
75-25-2	Bromoform	1.0	U	1.0	0.26
74-83-9	Bromomethane	1.0	U	1.0	0.69
75-15-0	Carbon disulfide	1.0	U	1.0	0.19
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.27
108-90-7	Chlorobenzene	1.0	U	1.0	0.75
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.34
74-87-3	Chloromethane	1.0	U	1.0	0.35
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.81
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.36
110-82-7	Cyclohexane	1.0	U	1.0	0.18
124-48-1	Dibromochloromethane	1.0	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.68
100-41-4	Ethylbenzene	1.0	U	1.0	0.74
98-82-8	Isopropylbenzene	1.0	U	1.0	0.79

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FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: TB(02052020) Lab Sample ID: 480-165970-11
Matrix: Water Lab File ID: T0701.D
Analysis Method: 8260C Date Collected: 02/05/2020 00:00
Sample wt/vol: 5(mL) Date Analyzed: 02/07/2020 15:58
Soil Aliquot Vol: Dilution Factor: 1
Soil Extract Vol.: GC Column: ZB-624 (20) ID: 0.18(mm)
% Moisture: Level: (low/med) Low
Analysis Batch No.: 516644 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2.5	U TH	2.5	1.3
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.16
108-87-2	Methylcyclohexane	1.0	U	1.0	0.16
75-09-2	Methylene Chloride	0.77	J	1.0	0.44
100-42-5	Styrene	1.0	U	1.0	0.73
127-18-4	Tetrachloroethene	1.0	U	1.0	0.36
108-88-3	Toluene	1.0	U	1.0	0.51
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.90
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.37
79-01-6	Trichloroethene	1.0	U	1.0	0.46
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.88
75-01-4	Vinyl chloride	1.0	U	1.0	0.90
1330-20-7	Xylenes, Total	2.0	U	2.0	0.66

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-120
460-00-4	4-Bromofluorobenzene (Surr)	101		73-120
1868-53-7	Dibromofluoromethane (Surr)	103		75-123
2037-26-5	Toluene-d8 (Surr)	100		80-120

MT 2/28/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(10-12)(02042020) Lab Sample ID: 480-165970-1
Matrix: Solid Lab File ID: X21466091.D
Analysis Method: 8270D Date Collected: 02/04/2020 13:15
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.11(g) Date Analyzed: 02/13/2020 18:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.3 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	200	U	200	29
108-60-1	2,2'-oxybis(1-chloropropane)	200	U	200	39
95-95-4	2,4,5-Trichlorophenol	200	U	200	53
88-06-2	2,4,6-Trichlorophenol	200	U	200	39
120-83-2	2,4-Dichlorophenol	200	U	200	21
105-67-9	2,4-Dimethylphenol	200	U	200	47
51-28-5	2,4-Dinitrophenol	1900	U	1900	900
121-14-2	2,4-Dinitrotoluene	200	U	200	40
606-20-2	2,6-Dinitrotoluene	200	U	200	23
91-58-7	2-Chloronaphthalene	200	U	200	32
95-57-8	2-Chlorophenol	380	U	380	36
91-57-6	2-Methylnaphthalene	200	U	200	39
95-48-7	2-Methylphenol	200	U	200	23
88-74-4	2-Nitroaniline	380	U	380	29
88-75-5	2-Nitrophenol	200	U	200	55
91-94-1	3,3'-Dichlorobenzidine	380	U	380	230
99-09-2	3-Nitroaniline	380	U	380	54
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	200
101-55-3	4-Bromophenyl phenyl ether	200	U	200	28
59-50-7	4-Chloro-3-methylphenol	200	U	200	48
106-47-8	4-Chloroaniline	200	U	200	48
7005-72-3	4-Chlorophenyl phenyl ether	200	U	200	24
106-44-5	4-Methylphenol	380	U	380	23
100-01-6	4-Nitroaniline	380	U	380	100
100-02-7	4-Nitrophenol	380	U	380	140
83-32-9	Acenaphthene	200	U	200	29
208-96-8	Acenaphthylene	200	U	200	25
98-86-2	Acetophenone	200	U	200	26
120-12-7	Anthracene	200	U	200	48
1912-24-9	Atrazine	200	U	200	68
100-52-7	Benzaldehyde	200	U	200	160
56-55-3	Benzo[a]anthracene	42	J	200	20
50-32-8	Benzo[a]pyrene	40	J	200	29
205-99-2	Benzo[b]fluoranthene	43	J	200	31

MT 2/18/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(10-12)(02042020) Lab Sample ID: 480-165970-1
Matrix: Solid Lab File ID: X21466091.D
Analysis Method: 8270D Date Collected: 02/04/2020 13:15
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.11(g) Date Analyzed: 02/13/2020 18:43
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.3 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	38	J	200	21
207-08-9	Benzo[k]fluoranthene	200	U	200	25
111-91-1	Bis(2-chloroethoxy)methane	200	U	200	41
111-44-4	Bis(2-chloroethyl)ether	200	U	200	25
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	200	67
85-68-7	Butyl benzyl phthalate	200	U	200	32
105-60-2	Caprolactam	200	U	200	59
86-74-8	Carbazole	200	U	200	23
218-01-9	Chrysene	200	U	200	44
53-70-3	Dibenz(a,h)anthracene	200	U	200	34
132-64-9	Dibenzofuran	200	U	200	23
84-66-2	Diethyl phthalate	200	U	200	25
131-11-3	Dimethyl phthalate	200	U	200	23
84-74-2	Di-n-butyl phthalate	200	U	200	33
117-84-0	Di-n-octyl phthalate	200	U	200	23
206-44-0	Fluoranthene	30	J	200	21
86-73-7	Fluorene	200	U	200	23
118-74-1	Hexachlorobenzene	200	U	200	26
87-68-3	Hexachlorobutadiene	200	U	200	29
77-47-4	Hexachlorocyclopentadiene	200	U	200	26
67-72-1	Hexachloroethane	200	U	200	25
193-39-5	Indeno[1,2,3-cd]pyrene	38	J	200	24
78-59-1	Isophorone	200	U	200	41
91-20-3	Naphthalene	200	U	200	25
98-95-3	Nitrobenzene	200	U	200	22
621-64-7	N-Nitrosodi-n-propylamine	200	U	200	33
86-30-6	N-Nitrosodiphenylamine	200	U	200	160
87-86-5	Pentachlorophenol	380	U	380	200
85-01-8	Phenanthrene	200	U	200	29
108-95-2	Phenol	200	U	200	30
129-00-0	Pyrene	31	J	200	23

MT 2/20/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(8-10)(02042020) Lab Sample ID: 480-165970-2
Matrix: Solid Lab File ID: X21466092.D
Analysis Method: 8270D Date Collected: 02/04/2020 12:35
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.37(g) Date Analyzed: 02/13/2020 19:07
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	980	U	980	140
108-60-1	2,2'-oxybis(1-chloropropane)	980	U	980	200
95-95-4	2,4,5-Trichlorophenol	980	U	980	260
88-06-2	2,4,6-Trichlorophenol	980	U	980	200
120-83-2	2,4-Dichlorophenol	980	U	980	100
105-67-9	2,4-Dimethylphenol	980	U	980	240
51-28-5	2,4-Dinitrophenol	9500	U	9500	4500
121-14-2	2,4-Dinitrotoluene	980	U	980	200
606-20-2	2,6-Dinitrotoluene	980	U	980	110
91-58-7	2-Chloronaphthalene	980	U	980	160
95-57-8	2-Chlorophenol	1900	U	1900	180
91-57-6	2-Methylnaphthalene	980	U	980	200
95-48-7	2-Methylphenol	980	U	980	110
88-74-4	2-Nitroaniline	1900	U	1900	140
88-75-5	2-Nitrophenol	980	U	980	280
91-94-1	3,3'-Dichlorobenzidine	1900	U	1900	1100
99-09-2	3-Nitroaniline	1900	U	1900	270
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	1900	980
101-55-3	4-Bromophenyl phenyl ether	980	U	980	140
59-50-7	4-Chloro-3-methylphenol	980	U	980	240
106-47-8	4-Chloroaniline	980	U	980	240
7005-72-3	4-Chlorophenyl phenyl ether	980	U	980	120
106-44-5	4-Methylphenol	1900	U	1900	110
100-01-6	4-Nitroaniline	1900	U	1900	510
100-02-7	4-Nitrophenol	1900	U	1900	680
83-32-9	Acenaphthene	980	U	980	140
208-96-8	Acenaphthylene	980	U	980	130
98-86-2	Acetophenone	980	U	980	130
120-12-7	Anthracene	980	U	980	240
1912-24-9	Atrazine	980	U	980	340
100-52-7	Benzaldehyde	980	U	980	770
56-55-3	Benzo[a]anthracene	980	U	980	98
50-32-8	Benzo[a]pyrene	220	J	980	140
205-99-2	Benzo[b]fluoranthene	310	J	980	150

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(8-10)(02042020) Lab Sample ID: 480-165970-2
Matrix: Solid Lab File ID: X21466092.D
Analysis Method: 8270D Date Collected: 02/04/2020 12:35
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.37(g) Date Analyzed: 02/13/2020 19:07
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 13.9 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	250	J	980	100
207-08-9	Benzo[k]fluoranthene	980	U	980	130
111-91-1	Bis(2-chloroethoxy)methane	980	U	980	210
111-44-4	Bis(2-chloroethyl)ether	980	U	980	130
117-81-7	Bis(2-ethylhexyl) phthalate	980	U	980	330
85-68-7	Butyl benzyl phthalate	980	U	980	160
105-60-2	Caprolactam	980	U	980	290
86-74-8	Carbazole	980	U	980	110
218-01-9	Chrysene	220	J	980	220
53-70-3	Dibenz(a,h)anthracene	980	U	980	170
132-64-9	Dibenzofuran	980	U	980	110
84-66-2	Diethyl phthalate	980	U	980	130
131-11-3	Dimethyl phthalate	980	U	980	110
84-74-2	Di-n-butyl phthalate	980	U	980	170
117-84-0	Di-n-octyl phthalate	980	U	980	110
206-44-0	Fluoranthene	400	J	980	100
86-73-7	Fluorene	980	U	980	110
118-74-1	Hexachlorobenzene	980	U	980	130
87-68-3	Hexachlorobutadiene	980	U	980	140
77-47-4	Hexachlorocyclopentadiene	980	U	980	130
67-72-1	Hexachloroethane	980	U	980	130
193-39-5	Indeno[1,2,3-cd]pyrene	210	J	980	120
78-59-1	Isophorone	980	U	980	210
91-20-3	Naphthalene	980	U	980	130
98-95-3	Nitrobenzene	980	U	980	110
621-64-7	N-Nitrosodi-n-propylamine	980	U	980	170
86-30-6	N-Nitrosodiphenylamine	980	U	980	790
87-86-5	Pentachlorophenol	1900	U	1900	980
85-01-8	Phenanthrene	300	J	980	140
108-95-2	Phenol	980	U	980	150
129-00-0	Pyrene	370	J	980	110

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(16-18)(02042020) Lab Sample ID: 480-165970-3
Matrix: Solid Lab File ID: X21466093.D
Analysis Method: 8270D Date Collected: 02/04/2020 13:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.50(g) Date Analyzed: 02/13/2020 19:31
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 12.4 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	190	U	190	28
108-60-1	2,2'-oxybis(1-chloropropane)	190	U	190	38
95-95-4	2,4,5-Trichlorophenol	190	U	190	52
88-06-2	2,4,6-Trichlorophenol	190	U	190	38
120-83-2	2,4-Dichlorophenol	190	U	190	20
105-67-9	2,4-Dimethylphenol	190	U	190	46
51-28-5	2,4-Dinitrophenol	1900	U	1900	880
121-14-2	2,4-Dinitrotoluene	190	U	190	39
606-20-2	2,6-Dinitrotoluene	190	U	190	22
91-58-7	2-Chloronaphthalene	190	U	190	31
95-57-8	2-Chlorophenol	370	U	370	35
91-57-6	2-Methylnaphthalene	190	U	190	38
95-48-7	2-Methylphenol	190	U	190	22
88-74-4	2-Nitroaniline	370	U	370	28
88-75-5	2-Nitrophenol	190	U	190	54
91-94-1	3,3'-Dichlorobenzidine	370	U	370	220
99-09-2	3-Nitroaniline	370	U	370	53
534-52-1	4,6-Dinitro-2-methylphenol	370	U	370	190
101-55-3	4-Bromophenyl phenyl ether	190	U	190	27
59-50-7	4-Chloro-3-methylphenol	190	U	190	47
106-47-8	4-Chloroaniline	190	U	190	47
7005-72-3	4-Chlorophenyl phenyl ether	190	U	190	24
106-44-5	4-Methylphenol	370	U	370	22
100-01-6	4-Nitroaniline	370	U	370	100
100-02-7	4-Nitrophenol	370	U	370	130
83-32-9	Acenaphthene	190	U	190	28
208-96-8	Acenaphthylene	190	U	190	25
98-86-2	Acetophenone	190	U	190	26
120-12-7	Anthracene	190	U	190	47
1912-24-9	Atrazine	190	U	190	66
100-52-7	Benzaldehyde	190	U	190	150
56-55-3	Benzo[a]anthracene	190	U	190	19
50-32-8	Benzo[a]pyrene	190	U	190	28
205-99-2	Benzo[b]fluoranthene	190	U	190	30

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-5(16-18)(02042020) Lab Sample ID: 480-165970-3
Matrix: Solid Lab File ID: X21466093.D
Analysis Method: 8270D Date Collected: 02/04/2020 13:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.50(g) Date Analyzed: 02/13/2020 19:31
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 12.4 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	190	U	190	20
207-08-9	Benzo[k]fluoranthene	190	U	190	25
111-91-1	Bis(2-chloroethoxy)methane	190	U	190	40
111-44-4	Bis(2-chloroethyl)ether	190	U	190	25
117-81-7	Bis(2-ethylhexyl) phthalate	190	U	190	65
85-68-7	Butyl benzyl phthalate	190	U	190	31
105-60-2	Caprolactam	190	U	190	57
86-74-8	Carbazole	190	U	190	22
218-01-9	Chrysene	190	U	190	43
53-70-3	Dibenz(a,h)anthracene	190	U	190	34
132-64-9	Dibenzofuran	190	U	190	22
84-66-2	Diethyl phthalate	190	U	190	25
131-11-3	Dimethyl phthalate	190	U	190	22
84-74-2	Di-n-butyl phthalate	190	U	190	33
117-84-0	Di-n-octyl phthalate	23	J	190	22
206-44-0	Fluoranthene	190	U	190	20
86-73-7	Fluorene	190	U	190	22
118-74-1	Hexachlorobenzene	190	U	190	26
87-68-3	Hexachlorobutadiene	190	U	190	28
77-47-4	Hexachlorocyclopentadiene	190	U	190	26
67-72-1	Hexachloroethane	190	U	190	25
193-39-5	Indeno[1,2,3-cd]pyrene	190	U	190	24
78-59-1	Isophorone	190	U	190	40
91-20-3	Naphthalene	190	U	190	25
98-95-3	Nitrobenzene	190	U	190	21
621-64-7	N-Nitrosodi-n-propylamine	190	U	190	33
86-30-6	N-Nitrosodiphenylamine	190	U	190	150
87-86-5	Pentachlorophenol	370	U	370	190
85-01-8	Phenanthrene	190	U	190	28
108-95-2	Phenol	190	U	190	29
129-00-0	Pyrene	190	U	190	22

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(20.95-23.12) (02042020) Lab Sample ID: 480-165970-5

Matrix: Solid Lab File ID: X21466095.D

Analysis Method: 8270D Date Collected: 02/04/2020 15:55

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.87(g) Date Analyzed: 02/13/2020 20:19

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 28.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	230	U	230	34
108-60-1	2,2'-oxybis(1-chloropropane)	230	U	230	46
95-95-4	2,4,5-Trichlorophenol	230	U	230	62
88-06-2	2,4,6-Trichlorophenol	230	U	230	46
120-83-2	2,4-Dichlorophenol	230	U	230	24
105-67-9	2,4-Dimethylphenol	230	U	230	56
51-28-5	2,4-Dinitrophenol	2300	U	2300	1100
121-14-2	2,4-Dinitrotoluene	230	U	230	47
606-20-2	2,6-Dinitrotoluene	230	U	230	27
91-58-7	2-Chloronaphthalene	230	U	230	38
95-57-8	2-Chlorophenol	450	U	450	42
91-57-6	2-Methylnaphthalene	230	U	230	46
95-48-7	2-Methylphenol	230	U	230	27
88-74-4	2-Nitroaniline	450	U	450	34
88-75-5	2-Nitrophenol	230	U	230	65
91-94-1	3,3'-Dichlorobenzidine	450	U	450	270
99-09-2	3-Nitroaniline	450	U	450	64
534-52-1	4,6-Dinitro-2-methylphenol	450	U	450	230
101-55-3	4-Bromophenyl phenyl ether	230	U	230	33
59-50-7	4-Chloro-3-methylphenol	230	U	230	57
106-47-8	4-Chloroaniline	230	U	230	57
7005-72-3	4-Chlorophenyl phenyl ether	230	U	230	28
106-44-5	4-Methylphenol	450	U	450	27
100-01-6	4-Nitroaniline	450	U	450	120
100-02-7	4-Nitrophenol	450	U	450	160
83-32-9	Acenaphthene	230	U	230	34
208-96-8	Acenaphthylene	230	U	230	30
98-86-2	Acetophenone	230	U	230	31
120-12-7	Anthracene	230	U	230	57
1912-24-9	Atrazine	230	U	230	80
100-52-7	Benzaldehyde	230	U	230	180
56-55-3	Benzo[a]anthracene	230	U	230	23
50-32-8	Benzo[a]pyrene	230	U	230	34

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-8(20.95-23.12) (02042020) Lab Sample ID: 480-165970-5

Matrix: Solid Lab File ID: X21466095.D

Analysis Method: 8270D Date Collected: 02/04/2020 15:55

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.87(g) Date Analyzed: 02/13/2020 20:19

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 28.3 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	230	U	230	37
191-24-2	Benzo[g,h,i]perylene	230	U	230	24
207-08-9	Benzo[k]fluoranthene	230	U	230	30
111-91-1	Bis(2-chloroethoxy)methane	230	U	230	49
111-44-4	Bis(2-chloroethyl)ether	230	U	230	30
117-81-7	Bis(2-ethylhexyl) phthalate	230	U	230	79
85-68-7	Butyl benzyl phthalate	230	U	230	38
105-60-2	Caprolactam	230	U	230	69
86-74-8	Carbazole	230	U	230	27
218-01-9	Chrysene	230	U	230	52
53-70-3	Dibenz(a,h)anthracene	230	U	230	41
132-64-9	Dibenzofuran	230	U	230	27
84-66-2	Diethyl phthalate	230	U	230	30
131-11-3	Dimethyl phthalate	230	U	230	27
84-74-2	Di-n-butyl phthalate	230	U	230	39
117-84-0	Di-n-octyl phthalate	230	U	230	27
206-44-0	Fluoranthene	230	U	230	24
86-73-7	Fluorene	230	U	230	27
118-74-1	Hexachlorobenzene	230	U	230	31
87-68-3	Hexachlorobutadiene	230	U	230	34
77-47-4	Hexachlorocyclopentadiene	230	U	230	31
67-72-1	Hexachloroethane	230	U	230	30
193-39-5	Indeno[1,2,3-cd]pyrene	230	U	230	28
78-59-1	Isophorone	230	U	230	49
91-20-3	Naphthalene	230	U	230	30
98-95-3	Nitrobenzene	230	U	230	26
621-64-7	N-Nitrosodi-n-propylamine	230	U	230	39
86-30-6	N-Nitrosodiphenylamine	230	U	230	190
87-86-5	Pentachlorophenol	450	U	450	230
85-01-8	Phenanthrene	230	U	230	34
108-95-2	Phenol	230	U	230	35
129-00-0	Pyrene	230	U	230	27

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: EB(02052020) Lab Sample ID: 480-165970-6
Matrix: Water Lab File ID: Y02814603.D
Analysis Method: 8270D Date Collected: 02/05/2020 08:00
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 21:41
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	5.0	U	5.0	0.65
108-60-1	2,2'-oxybis(1-chloropropane)	5.0	U	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	5.0	U	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	5.0	U	5.0	0.61
120-83-2	2,4-Dichlorophenol	5.0	U	5.0	0.51
105-67-9	2,4-Dimethylphenol	5.0	U	5.0	0.50
51-28-5	2,4-Dinitrophenol	10	U	10	2.2
121-14-2	2,4-Dinitrotoluene	5.0	U	5.0	0.45
606-20-2	2,6-Dinitrotoluene	5.0	U	5.0	0.40
91-58-7	2-Chloronaphthalene	5.0	U	5.0	0.46
95-57-8	2-Chlorophenol	5.0	U	5.0	0.53
91-57-6	2-Methylnaphthalene	5.0	U	5.0	0.60
95-48-7	2-Methylphenol	5.0	U	5.0	0.40
88-74-4	2-Nitroaniline	10	U	10	0.42
88-75-5	2-Nitrophenol	5.0	U	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	5.0	U	5.0	0.40
99-09-2	3-Nitroaniline	10	U	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	10	U	10	2.2
101-55-3	4-Bromophenyl phenyl ether	5.0	U	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	5.0	U	5.0	0.45
106-47-8	4-Chloroaniline	5.0	U	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	5.0	U	5.0	0.35
106-44-5	4-Methylphenol	10	U	10	0.36
100-01-6	4-Nitroaniline	10	U	10	0.25
100-02-7	4-Nitrophenol	10	U	10	1.5
83-32-9	Acenaphthene	5.0	U	5.0	0.41
208-96-8	Acenaphthylene	5.0	U	5.0	0.38
98-86-2	Acetophenone	5.0	U	5.0	0.54
120-12-7	Anthracene	5.0	U	5.0	0.28
1912-24-9	Atrazine	5.0	U	5.0	0.46
100-52-7	Benzaldehyde	5.0	U	5.0	0.27
56-55-3	Benzo[a]anthracene	5.0	U	5.0	0.36
50-32-8	Benzo[a]pyrene	5.0	U	5.0	0.47
205-99-2	Benzo[b]fluoranthene	5.0	U	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: EB(02052020) Lab Sample ID: 480-165970-6
Matrix: Water Lab File ID: Y02814603.D
Analysis Method: 8270D Date Collected: 02/05/2020 08:00
Extract. Method: 3510C Date Extracted: 02/06/2020 15:41
Sample wt/vol: 250(mL) Date Analyzed: 02/07/2020 21:41
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 2(uL) Level: (low/med) Low
% Moisture: GPC Cleanup:(Y/N) N
Analysis Batch No.: 516687 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	5.0	U	5.0	0.35
207-08-9	Benzo[k]fluoranthene	5.0	U	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	5.0	U	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	5.0	U	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	5.0	U	5.0	2.2
85-68-7	Butyl benzyl phthalate	5.0	U	5.0	1.0
105-60-2	Caprolactam	5.0	U	5.0	2.2
86-74-8	Carbazole	5.0	U	5.0	0.30
218-01-9	Chrysene	5.0	U	5.0	0.33
53-70-3	Dibenz(a,h)anthracene	5.0	U	5.0	0.42
132-64-9	Dibenzofuran	10	U	10	0.51
84-66-2	Diethyl phthalate	5.0	U	5.0	0.22
131-11-3	Dimethyl phthalate	5.0	U	5.0	0.36
84-74-2	Di-n-butyl phthalate	5.0	U	5.0	0.31
117-84-0	Di-n-octyl phthalate	5.0	U	5.0	0.47
206-44-0	Fluoranthene	5.0	U	5.0	0.40
86-73-7	Fluorene	5.0	U	5.0	0.36
118-74-1	Hexachlorobenzene	5.0	U	5.0	0.51
87-68-3	Hexachlorobutadiene	5.0	U	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	5.0	U	5.0	0.59
67-72-1	Hexachloroethane	5.0	U	5.0	0.59
193-39-5	Indeno[1,2,3-cd]pyrene	5.0	U	5.0	0.47
78-59-1	Isophorone	5.0	U	5.0	0.43
91-20-3	Naphthalene	5.0	U	5.0	0.76
98-95-3	Nitrobenzene	5.0	U	5.0	0.29
621-64-7	N-Nitrosodi-n-propylamine	5.0	U	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	5.0	U	5.0	0.51
87-86-5	Pentachlorophenol	10	U	10	2.2
85-01-8	Phenanthrene	5.0	U	5.0	0.44
108-95-2	Phenol	5.0	U	5.0	0.39
129-00-0	Pyrene	5.0	U	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(18.73-20.95) (02052020) Lab Sample ID: 480-165970-7

Matrix: Solid Lab File ID: X21466096.D

Analysis Method: 8270D Date Collected: 02/05/2020 10:15

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.52(g) Date Analyzed: 02/13/2020 20:44

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 25.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	230	U	230	33
108-60-1	2,2'-oxybis(1-chloropropane)	230	U	230	45
95-95-4	2,4,5-Trichlorophenol	230	U	230	61
88-06-2	2,4,6-Trichlorophenol	230	U	230	45
120-83-2	2,4-Dichlorophenol	230	U	230	24
105-67-9	2,4-Dimethylphenol	230	U	230	54
51-28-5	2,4-Dinitrophenol	2200	U	2200	1000
121-14-2	2,4-Dinitrotoluene	230	U	230	46
606-20-2	2,6-Dinitrotoluene	230	U	230	27
91-58-7	2-Chloronaphthalene	230	U	230	37
95-57-8	2-Chlorophenol	440	U	440	41
91-57-6	2-Methylnaphthalene	230	U	230	45
95-48-7	2-Methylphenol	230	U	230	27
88-74-4	2-Nitroaniline	440	U	440	33
88-75-5	2-Nitrophenol	230	U	230	64
91-94-1	3,3'-Dichlorobenzidine	440	U	440	270
99-09-2	3-Nitroaniline	440	U	440	62
534-52-1	4,6-Dinitro-2-methylphenol	440	U	440	230
101-55-3	4-Bromophenyl phenyl ether	230	U	230	32
59-50-7	4-Chloro-3-methylphenol	230	U	230	56
106-47-8	4-Chloroaniline	230	U	230	56
7005-72-3	4-Chlorophenyl phenyl ether	230	U	230	28
106-44-5	4-Methylphenol	440	U	440	27
100-01-6	4-Nitroaniline	440	U	440	120
100-02-7	4-Nitrophenol	440	U	440	160
83-32-9	Acenaphthene	230	U	230	33
208-96-8	Acenaphthylene	230	U	230	29
98-86-2	Acetophenone	230	U	230	30
120-12-7	Anthracene	230	U	230	56
1912-24-9	Atrazine	230	U	230	78
100-52-7	Benzaldehyde	230	U	230	180
56-55-3	Benzo[a]anthracene	230	U	230	23
50-32-8	Benzo[a]pyrene	230	U	230	33

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(18.73-20.95) (02052020) Lab Sample ID: 480-165970-7

Matrix: Solid Lab File ID: X21466096.D

Analysis Method: 8270D Date Collected: 02/05/2020 10:15

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.52(g) Date Analyzed: 02/13/2020 20:44

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 25.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	230	U	230	36
191-24-2	Benzo[g,h,i]perylene	230	U	230	24
207-08-9	Benzo[k]fluoranthene	230	U	230	29
111-91-1	Bis(2-chloroethoxy)methane	230	U	230	48
111-44-4	Bis(2-chloroethyl)ether	230	U	230	29
117-81-7	Bis(2-ethylhexyl) phthalate	230	U	230	77
85-68-7	Butyl benzyl phthalate	230	U	230	37
105-60-2	Caprolactam	230	U	230	68
86-74-8	Carbazole	230	U	230	27
218-01-9	Chrysene	230	U	230	50
53-70-3	Dibenz(a,h)anthracene	230	U	230	40
132-64-9	Dibenzofuran	230	U	230	27
84-66-2	Diethyl phthalate	230	U	230	29
131-11-3	Dimethyl phthalate	230	U	230	27
84-74-2	Di-n-butyl phthalate	230	U	230	38
117-84-0	Di-n-octyl phthalate	230	U	230	27
206-44-0	Fluoranthene	230	U	230	24
86-73-7	Fluorene	230	U	230	27
118-74-1	Hexachlorobenzene	230	U	230	30
87-68-3	Hexachlorobutadiene	230	U	230	33
77-47-4	Hexachlorocyclopentadiene	230	U	230	30
67-72-1	Hexachloroethane	230	U	230	29
193-39-5	Indeno[1,2,3-cd]pyrene	230	U	230	28
78-59-1	Isophorone	230	U	230	48
91-20-3	Naphthalene	230	U	230	29
98-95-3	Nitrobenzene	230	U	230	25
621-64-7	N-Nitrosodi-n-propylamine	230	U	230	38
86-30-6	N-Nitrosodiphenylamine	230	U	230	180
87-86-5	Pentachlorophenol	440	U	440	230
85-01-8	Phenanthrene	230	U	230	33
108-95-2	Phenol	230	U	230	34
129-00-0	Pyrene	230	U	230	27

MT 2/20/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(20.95-23.12) (02052020) Lab Sample ID: 480-165970-8

Matrix: Solid Lab File ID: X21466097.D

Analysis Method: 8270D Date Collected: 02/05/2020 10:20

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.60(g) Date Analyzed: 02/13/2020 21:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 25.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	220	U	220	33
108-60-1	2,2'-oxybis(1-chloropropane)	220	U	220	45
95-95-4	2,4,5-Trichlorophenol	220	U	220	60
88-06-2	2,4,6-Trichlorophenol	220	U	220	45
120-83-2	2,4-Dichlorophenol	220	U	220	24
105-67-9	2,4-Dimethylphenol	220	U	220	54
51-28-5	2,4-Dinitrophenol	2200	U	2200	1000
121-14-2	2,4-Dinitrotoluene	220	U	220	46
606-20-2	2,6-Dinitrotoluene	220	U	220	26
91-58-7	2-Chloronaphthalene	220	U	220	37
95-57-8	2-Chlorophenol	430	U	430	41
91-57-6	2-Methylnaphthalene	220	U	220	45
95-48-7	2-Methylphenol	220	U	220	26
88-74-4	2-Nitroaniline	430	U	430	33
88-75-5	2-Nitrophenol	220	U	220	63
91-94-1	3,3'-Dichlorobenzidine	430	U	430	260
99-09-2	3-Nitroaniline	430	U	430	62
534-52-1	4,6-Dinitro-2-methylphenol	430	U	430	220
101-55-3	4-Bromophenyl phenyl ether	220	U	220	31
59-50-7	4-Chloro-3-methylphenol	220	U	220	55
106-47-8	4-Chloroaniline	220	U	220	55
7005-72-3	4-Chlorophenyl phenyl ether	220	U	220	28
106-44-5	4-Methylphenol	430	U	430	26
100-01-6	4-Nitroaniline	430	U	430	120
100-02-7	4-Nitrophenol	430	U	430	160
83-32-9	Acenaphthene	220	U	220	33
208-96-8	Acenaphthylene	220	U	220	29
98-86-2	Acetophenone	220	U	220	30
120-12-7	Anthracene	220	U	220	55
1912-24-9	Atrazine	220	U	220	77
100-52-7	Benzaldehyde	220	U	220	180
56-55-3	Benzo[a]anthracene	220	U	220	22
50-32-8	Benzo[a]pyrene	220	U	220	33

MT 2/20/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1

SDG No.:

Client Sample ID: OS-SCB-6(20.95-23.12) (02052020) Lab Sample ID: 480-165970-8

Matrix: Solid Lab File ID: X21466097.D

Analysis Method: 8270D Date Collected: 02/05/2020 10:20

Extract. Method: 3550C Date Extracted: 02/12/2020 07:16

Sample wt/vol: 30.60(g) Date Analyzed: 02/13/2020 21:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 25.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	220	U	220	35
191-24-2	Benzo[g,h,i]perylene	220	U	220	24
207-08-9	Benzo[k]fluoranthene	220	U	220	29
111-91-1	Bis(2-chloroethoxy)methane	220	U	220	47
111-44-4	Bis(2-chloroethyl)ether	220	U	220	29
117-81-7	Bis(2-ethylhexyl) phthalate	220	U	220	76
85-68-7	Butyl benzyl phthalate	220	U	220	37
105-60-2	Caprolactam	220	U	220	67
86-74-8	Carbazole	220	U	220	26
218-01-9	Chrysene	220	U	220	50
53-70-3	Dibenz(a,h)anthracene	220	U	220	39
132-64-9	Dibenzofuran	220	U	220	26
84-66-2	Diethyl phthalate	220	U	220	29
131-11-3	Dimethyl phthalate	220	U	220	26
84-74-2	Di-n-butyl phthalate	220	U	220	38
117-84-0	Di-n-octyl phthalate	220	U	220	26
206-44-0	Fluoranthene	220	U	220	24
86-73-7	Fluorene	220	U	220	26
118-74-1	Hexachlorobenzene	220	U	220	30
87-68-3	Hexachlorobutadiene	220	U	220	33
77-47-4	Hexachlorocyclopentadiene	220	U	220	30
67-72-1	Hexachloroethane	220	U	220	29
193-39-5	Indeno[1,2,3-cd]pyrene	220	U	220	28
78-59-1	Isophorone	220	U	220	47
91-20-3	Naphthalene	220	U	220	29
98-95-3	Nitrobenzene	220	U	220	25
621-64-7	N-Nitrosodi-n-propylamine	220	U	220	38
86-30-6	N-Nitrosodiphenylamine	220	U	220	180
87-86-5	Pentachlorophenol	430	U	430	220
85-01-8	Phenanthrene	220	U	220	33
108-95-2	Phenol	220	U	220	34
129-00-0	Pyrene	220	U	220	26

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: DUP(02052020) Lab Sample ID: 480-165970-9
Matrix: Solid Lab File ID: X21466098.D
Analysis Method: 8270D Date Collected: 02/05/2020 12:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.65(g) Date Analyzed: 02/13/2020 21:32
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 14.1 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	970	U	970	140
108-60-1	2,2'-oxybis(1-chloropropane)	970	U	970	190
95-95-4	2,4,5-Trichlorophenol	970	U	970	260
88-06-2	2,4,6-Trichlorophenol	970	U	970	190
120-83-2	2,4-Dichlorophenol	970	U	970	100
105-67-9	2,4-Dimethylphenol	970	U	970	230
51-28-5	2,4-Dinitrophenol	9500	U	9500	4500
121-14-2	2,4-Dinitrotoluene	970	U	970	200
606-20-2	2,6-Dinitrotoluene	970	U	970	110
91-58-7	2-Chloronaphthalene	970	U	970	160
95-57-8	2-Chlorophenol	1900	U	1900	180
91-57-6	2-Methylnaphthalene	970	U	970	190
95-48-7	2-Methylphenol	970	U	970	110
88-74-4	2-Nitroaniline	1900	U	1900	140
88-75-5	2-Nitrophenol	970	U	970	270
91-94-1	3,3'-Dichlorobenzidine	1900	U	1900	1100
99-09-2	3-Nitroaniline	1900	U	1900	270
534-52-1	4,6-Dinitro-2-methylphenol	1900	U	1900	970
101-55-3	4-Bromophenyl phenyl ether	970	U	970	140
59-50-7	4-Chloro-3-methylphenol	970	U	970	240
106-47-8	4-Chloroaniline	970	U	970	240
7005-72-3	4-Chlorophenyl phenyl ether	970	U	970	120
106-44-5	4-Methylphenol	1900	U	1900	110
100-01-6	4-Nitroaniline	1900	U	1900	510
100-02-7	4-Nitrophenol	1900	U	1900	680
83-32-9	Acenaphthene	970	U	970	140
208-96-8	Acenaphthylene	970	U	970	130
98-86-2	Acetophenone	970	U	970	130
120-12-7	Anthracene	970	U	970	240
1912-24-9	Atrazine	970	U	970	340
100-52-7	Benzaldehyde	970	U	970	770
56-55-3	Benzo[a]anthracene	970	U	970	97
50-32-8	Benzo[a]pyrene	970	U	970	140
205-99-2	Benzo[b]fluoranthene	970	U	970	150

MT 2/28/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: DUP(02052020) Lab Sample ID: 480-165970-9
Matrix: Solid Lab File ID: X21466098.D
Analysis Method: 8270D Date Collected: 02/05/2020 12:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.65(g) Date Analyzed: 02/13/2020 21:32
Con. Extract Vol.: 1(mL) Dilution Factor: 5
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 14.1 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	970	U	970	100
207-08-9	Benzo[k]fluoranthene	970	U	970	130
111-91-1	Bis(2-chloroethoxy)methane	970	U	970	210
111-44-4	Bis(2-chloroethyl)ether	970	U	970	130
117-81-7	Bis(2-ethylhexyl) phthalate	970	U	970	330
85-68-7	Butyl benzyl phthalate	970	U	970	160
105-60-2	Caprolactam	970	U	970	290
86-74-8	Carbazole	970	U	970	110
218-01-9	Chrysene	970	U	970	220
53-70-3	Dibenz(a,h)anthracene	970	U	970	170
132-64-9	Dibenzofuran	970	U	970	110
84-66-2	Diethyl phthalate	970	U	970	130
131-11-3	Dimethyl phthalate	970	U	970	110
84-74-2	Di-n-butyl phthalate	970	U	970	170
117-84-0	Di-n-octyl phthalate	970	U	970	110
206-44-0	Fluoranthene	970	U	970	100
86-73-7	Fluorene	970	U	970	110
118-74-1	Hexachlorobenzene	970	U	970	130
87-68-3	Hexachlorobutadiene	970	U	970	140
77-47-4	Hexachlorocyclopentadiene	970	U	970	130
67-72-1	Hexachloroethane	970	U	970	130
193-39-5	Indeno[1,2,3-cd]pyrene	970	U	970	120
78-59-1	Isophorone	970	U	970	210
91-20-3	Naphthalene	970	U	970	130
98-95-3	Nitrobenzene	970	U	970	110
621-64-7	N-Nitrosodi-n-propylamine	970	U	970	170
86-30-6	N-Nitrosodiphenylamine	970	U	970	790
87-86-5	Pentachlorophenol	1900	U	1900	970
85-01-8	Phenanthrene	970	U	970	140
108-95-2	Phenol	970	U	970	150
129-00-0	Pyrene	970	U	970	110

MT 2/28/20

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-7(24-25)(02052020) Lab Sample ID: 480-165970-10
Matrix: Solid Lab File ID: X21466090.D
Analysis Method: 8270D Date Collected: 02/05/2020 14:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.32(g) Date Analyzed: 02/13/2020 18:18
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	200	U	200	30
108-60-1	2,2'-oxybis(1-chloropropane)	200	U	200	40
95-95-4	2,4,5-Trichlorophenol	200	U	200	54
88-06-2	2,4,6-Trichlorophenol	200	U	200	40
120-83-2	2,4-Dichlorophenol	200	U	200	21
105-67-9	2,4-Dimethylphenol	200	U	200	48
51-28-5	2,4-Dinitrophenol	2000	U	2000	930
121-14-2	2,4-Dinitrotoluene	200	U	200	41
606-20-2	2,6-Dinitrotoluene	200	U	200	24
91-58-7	2-Chloronaphthalene	200	U	200	33
95-57-8	2-Chlorophenol	390	U	390	37
91-57-6	2-Methylnaphthalene	200	U	200	40
95-48-7	2-Methylphenol	200	U	200	24
88-74-4	2-Nitroaniline	390	U	390	30
88-75-5	2-Nitrophenol	200	U	200	57
91-94-1	3,3'-Dichlorobenzidine	390	U	390	240
99-09-2	3-Nitroaniline	390	U	390	56
534-52-1	4,6-Dinitro-2-methylphenol	390	U	390	200
101-55-3	4-Bromophenyl phenyl ether	200	U	200	28
59-50-7	4-Chloro-3-methylphenol	200	U	200	50
106-47-8	4-Chloroaniline	200	U	200	50
7005-72-3	4-Chlorophenyl phenyl ether	200	U	200	25
106-44-5	4-Methylphenol	390	U	390	24
100-01-6	4-Nitroaniline	390	U	390	110
100-02-7	4-Nitrophenol	390	U	390	140
83-32-9	Acenaphthene	200	U	200	30
208-96-8	Acenaphthylene	200	U	200	26
98-86-2	Acetophenone	200	U	200	27
120-12-7	Anthracene	200	U	200	50
1912-24-9	Atrazine	200	U	200	70
100-52-7	Benzaldehyde	200	U	200	160
56-55-3	Benzo[a]anthracene	200	U	200	20
50-32-8	Benzo[a]pyrene	200	U	200	30
205-99-2	Benzo[b]fluoranthene	39	J	200	32

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1
SDG No.:
Client Sample ID: OS-SCB-7(24-25)(02052020) Lab Sample ID: 480-165970-10
Matrix: Solid Lab File ID: X21466090.D
Analysis Method: 8270D Date Collected: 02/05/2020 14:00
Extract. Method: 3550C Date Extracted: 02/12/2020 07:16
Sample wt/vol: 30.32(g) Date Analyzed: 02/13/2020 18:18
Con. Extract Vol.: 1(mL) Dilution Factor: 1
Injection Volume: 1(uL) Level: (low/med) Low
% Moisture: 16.2 GPC Cleanup:(Y/N) N
Analysis Batch No.: 517421 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	33	J	200	21
207-08-9	Benzo[k]fluoranthene	200	U	200	26
111-91-1	Bis(2-chloroethoxy)methane	200	U	200	43
111-44-4	Bis(2-chloroethyl)ether	200	U	200	26
117-81-7	Bis(2-ethylhexyl) phthalate	200	U	200	69
85-68-7	Butyl benzyl phthalate	200	U	200	33
105-60-2	Caprolactam	200	U	200	60
86-74-8	Carbazole	200	U	200	24
218-01-9	Chrysene	200	U	200	45
53-70-3	Dibenz(a,h)anthracene	200	U	200	35
132-64-9	Dibenzofuran	200	U	200	24
84-66-2	Diethyl phthalate	200	U	200	26
131-11-3	Dimethyl phthalate	200	U	200	24
84-74-2	Di-n-butyl phthalate	200	U	200	34
117-84-0	Di-n-octyl phthalate	200	U	200	24
206-44-0	Fluoranthene	47	J	200	21
86-73-7	Fluorene	200	U	200	24
118-74-1	Hexachlorobenzene	200	U	200	27
87-68-3	Hexachlorobutadiene	200	U	200	30
77-47-4	Hexachlorocyclopentadiene	200	U	200	27
67-72-1	Hexachloroethane	200	U	200	26
193-39-5	Indeno[1,2,3-cd]pyrene	32	J	200	25
78-59-1	Isophorone	200	U	200	43
91-20-3	Naphthalene	200	U	200	26
98-95-3	Nitrobenzene	200	U	200	22
621-64-7	N-Nitrosodi-n-propylamine	200	U	200	34
86-30-6	N-Nitrosodiphenylamine	200	U	200	160
87-86-5	Pentachlorophenol	390	U	390	200
85-01-8	Phenanthrene	200	U	200	30
108-95-2	Phenol	200	U	200	31
129-00-0	Pyrene	44	J	200	24

MT 2/20/20

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York

SDG: 140-18320-1

Laboratory: Eurofins Test America Laboratories, Inc., Knoxville, TN Date: March 27, 2020

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	JS - CULVERT AIR - 01 (02182020)	140-18320-1	Air
02	JS - DUPCULVERT (02182020)	140-18320-2	Air
03	JS - CULVERT OA (02182020)	140-18320-3	Air

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA Method TO-15 LL

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Canister Certification Blanks - The batch blank checks were non-detect or < RL.

Canister Certification Pressures Differences - All criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Laboratory Control Sample (LCS) - All percent recoveries (%R) met QC criteria.

Method Blank (MB) - The method blanks exhibited no target compounds.

Initial Calibration (ICAL) - The ICAL exhibited acceptable %RSD and mean RRF criteria.

Continuing Calibration (CCAL) - The CCALs exhibited acceptable %D and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - EDS Samples 1 and 2 were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18320-1

SDG No.:

Client Sample ID: JS - CULVERT AIR - 01 (02182020) Lab Sample ID: 140-18320-1

Matrix: Air Lab File ID: GB28P116.D

Analysis Method: TO 15 LL Date Collected: 02/18/2020 11:05

Sample wt/vol: 20(mL) Date Analyzed: 02/29/2020 00:22

Soil Aliquot Vol: Dilution Factor: 30.79

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 37929 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	163.83	410	U	410	93
75-15-0	Carbon disulfide	76.14	480	U	480	26
56-23-5	Carbon tetrachloride	153.81	170	U	170	34
108-90-7	Chlorobenzene	112.56	280	U	280	21
75-45-6	Chlorodifluoromethane	86.47	220	U	220	60
75-00-3	Chloroethane	64.52	160	U	160	59
67-66-3	Chloroform	119.38	300	U	300	26
74-87-3	Chloromethane	50.49	320	U	320	100
107-05-1	3-Chloropropene	76.53	190	U	190	55
156-59-2	cis-1,2-Dichloroethene	96.94	120	U	120	31
10061-01-5	cis-1,3-Dichloropropene	110.97	280	U	280	56
124-48-1	Dibromochloromethane	208.29	520	U	520	46
95-50-1	1,2-Dichlorobenzene	147.00	370	U	370	140
541-73-1	1,3-Dichlorobenzene	147.00	370	U	370	74
106-46-7	1,4-Dichlorobenzene	147.00	370	U	370	74
75-71-8	Dichlorodifluoromethane	120.91	300	U	300	53
75-34-3	1,1-Dichloroethane	98.96	44	J	250	22
107-06-2	1,2-Dichloroethane	98.96	250	U	250	31
75-35-4	1,1-Dichloroethene	96.94	46	J	120	24
78-87-5	1,2-Dichloropropane	112.99	280	U	280	36
76-13-1	Freon-113	187.38	470	U	470	47
76-14-2	Freon-114	170.92	430	U	430	65
75-09-2	Methylene Chloride	84.93	1100	U	1100	430
91-20-3	Naphthalene	128.17	810	U	810	310
79-34-5	1,1,2,2-Tetrachloroethane	167.85	420	U	420	74
127-18-4	Tetrachloroethene	165.83	64	J	420	37
108-88-3	Toluene	92.14	350	U	350	230
156-60-5	trans-1,2-Dichloroethene	96.94	240	U	240	21
10061-02-6	trans-1,3-Dichloropropene	110.97	280	U	280	31
71-55-6	1,1,1-Trichloroethane	133.41	41000		340	160
79-00-5	1,1,2-Trichloroethane	133.41	340	U	340	29
79-01-6	Trichloroethene	131.39	4900		150	25
75-69-4	Trichlorofluoromethane	137.37	350	U	350	48
96-18-4	1,2,3-Trichloropropane	147.40	930	U	930	140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18320-1

SDG No.:

Client Sample ID: JS - CULVERT AIR - 01 (02182020) Lab Sample ID: 140-18320-1

Matrix: Air Lab File ID: GB28P116.D

Analysis Method: TO 15 LL Date Collected: 02/18/2020 11:05

Sample wt/vol: 20 (mL) Date Analyzed: 02/29/2020 00:22

Soil Aliquot Vol: Dilution Factor: 30.79

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32 (mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 37929 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	79	U	79	51

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	85		60-140

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18320-1

SDG No.:

Client Sample ID: JS - DUPCULVERT (02182020) Lab Sample ID: 140-18320-2

Matrix: Air Lab File ID: GB28P201.D

Analysis Method: TO 15 LL Date Collected: 02/18/2020 11:04

Sample wt/vol: 20(mL) Date Analyzed: 02/29/2020 01:06

Soil Aliquot Vol: Dilution Factor: 33.28

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 37929 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	163.83	450	U	450	100
75-15-0	Carbon disulfide	76.14	520	U	520	29
56-23-5	Carbon tetrachloride	153.81	190	U	190	37
108-90-7	Chlorobenzene	112.56	310	U	310	23
75-45-6	Chlorodifluoromethane	86.47	240	U	240	65
75-00-3	Chloroethane	64.52	180	U	180	64
67-66-3	Chloroform	119.38	320	U	320	28
74-87-3	Chloromethane	50.49	340	U	340	110
107-05-1	3-Chloropropene	76.53	210	U	210	60
156-59-2	cis-1,2-Dichloroethene	96.94	130	U	130	33
10061-01-5	cis-1,3-Dichloropropene	110.97	300	U	300	60
124-48-1	Dibromochloromethane	208.29	570	U	570	50
95-50-1	1,2-Dichlorobenzene	147.00	400	U	400	160
541-73-1	1,3-Dichlorobenzene	147.00	400	U	400	80
106-46-7	1,4-Dichlorobenzene	147.00	400	U	400	80
75-71-8	Dichlorodifluoromethane	120.91	330	U	330	58
75-34-3	1,1-Dichloroethane	98.96	51	J	270	24
107-06-2	1,2-Dichloroethane	98.96	270	U	270	34
75-35-4	1,1-Dichloroethene	96.94	49	J	130	26
78-87-5	1,2-Dichloropropane	112.99	310	U	310	38
76-13-1	Freon-113	187.38	510	U	510	51
76-14-2	Freon-114	170.92	470	U	470	70
75-09-2	Methylene Chloride	84.93	1200	U	1200	460
91-20-3	Naphthalene	128.17	870	U	870	330
79-34-5	1,1,2,2-Tetrachloroethane	167.85	460	U	460	80
127-18-4	Tetrachloroethene	165.83	450	U	450	40
108-88-3	Toluene	92.14	380	U	380	240
156-60-5	trans-1,2-Dichloroethene	96.94	260	U	260	23
10061-02-6	trans-1,3-Dichloropropene	110.97	300	U	300	34
71-55-6	1,1,1-Trichloroethane	133.41	42000		360	170
79-00-5	1,1,2-Trichloroethane	133.41	360	U	360	32
79-01-6	Trichloroethene	131.39	5000		160	27
75-69-4	Trichlorofluoromethane	137.37	370	U	370	51
96-18-4	1,2,3-Trichloropropane	147.40	1000	U	1000	150

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18320-1

SDG No.:

Client Sample ID: JS - DUPCULVERT (02182020) Lab Sample ID: 140-18320-2

Matrix: Air Lab File ID: GB28P201.D

Analysis Method: TO 15 LL Date Collected: 02/18/2020 11:04

Sample wt/vol: 20 (mL) Date Analyzed: 02/29/2020 01:06

Soil Aliquot Vol: Dilution Factor: 33.28

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32 (mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 37929 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	62.50	85	U	85	55

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	86		60-140

FORM I

AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Knoxville Job No.: 140-18320-1

SDG No.:

Client Sample ID: JS - CULVERT OA(02182020) Lab Sample ID: 140-18320-3

Matrix: Air Lab File ID: HB26P111.D

Analysis Method: TO 15 LL Date Collected: 02/18/2020 11:15

Sample wt/vol: 50(mL) Date Analyzed: 02/27/2020 01:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: RTX-5 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 37881 Units: ug/m3

CAS NO.	COMPOUND NAME	MOLECULAR WEIGHT	RESULT	Q	RL	MDL
75-27-4	Bromodichloromethane	163.83	5.4	U	5.4	1.2
75-15-0	Carbon disulfide	76.14	6.2	U	6.2	0.34
56-23-5	Carbon tetrachloride	153.81	0.52	J	2.3	0.44
108-90-7	Chlorobenzene	112.56	3.7	U	3.7	0.28
75-45-6	Chlorodifluoromethane	86.47	0.85	J	2.8	0.78
75-00-3	Chloroethane	64.52	2.1	U	2.1	0.77
67-66-3	Chloroform	119.38	3.9	U	3.9	0.34
74-87-3	Chloromethane	50.49	2.1	J	4.1	1.4
107-05-1	3-Chloropropene	76.53	2.5	U	2.5	0.72
156-59-2	cis-1,2-Dichloroethene	96.94	1.6	U	1.6	0.40
10061-01-5	cis-1,3-Dichloropropene	110.97	3.6	U	3.6	0.73
124-48-1	Dibromochloromethane	208.29	6.8	U	6.8	0.60
95-50-1	1,2-Dichlorobenzene	147.00	4.8	U	4.8	1.9
541-73-1	1,3-Dichlorobenzene	147.00	4.8	U	4.8	0.96
106-46-7	1,4-Dichlorobenzene	147.00	4.8	U	4.8	0.96
75-71-8	Dichlorodifluoromethane	120.91	2.8	J	4.0	0.69
75-34-3	1,1-Dichloroethane	98.96	3.2	U	3.2	0.28
107-06-2	1,2-Dichloroethane	98.96	3.2	U	3.2	0.40
75-35-4	1,1-Dichloroethene	96.94	1.6	U	1.6	0.32
78-87-5	1,2-Dichloropropane	112.99	3.7	U	3.7	0.46
76-13-1	Freon-113	187.38	6.1	U	6.1	0.61
76-14-2	Freon-114	170.92	5.6	U	5.6	0.84
75-09-2	Methylene Chloride	84.93	14	U	14	5.6
91-20-3	Naphthalene	128.17	10	U	10	4.0
79-34-5	1,1,2,2-Tetrachloroethane	167.85	5.5	U	5.5	0.96
127-18-4	Tetrachloroethene	165.83	5.4	U	5.4	0.47
108-88-3	Toluene	92.14	4.5	U	4.5	2.9
156-60-5	trans-1,2-Dichloroethene	96.94	3.2	U	3.2	0.28
10061-02-6	trans-1,3-Dichloropropene	110.97	3.6	U	3.6	0.41
71-55-6	1,1,1-Trichloroethane	133.41	14		4.4	2.0
79-00-5	1,1,2-Trichloroethane	133.41	4.4	U	4.4	0.38
79-01-6	Trichloroethene	131.39	1.6	J	1.9	0.32
75-69-4	Trichlorofluoromethane	137.37	1.3	J	4.5	0.62
96-18-4	1,2,3-Trichloropropane	147.40	12	U	12	1.8
75-01-4	Vinyl chloride	62.50	1.0	U	1.0	0.66

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: March 27, 2020

SDG : 460-203699-1

Laboratory: Test America, Edison, New Jersey

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	JS-Culvert-EP-01(02242020)	460-203699-1	Solid
02	JS-Culvert-EP-02(02242020)	460-203699-2	Solid

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 8260C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks exhibited no target compounds.

Trip Blank/Equipment Blank (TB/EB) - Equipment blank samples/trip blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - All %D and RRF criteria were met except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
03/04/20	trans-1,3-Dichloropropene	25.1%	UJ	1, 2

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs) - TICs were not reported.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Method 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R)

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Tentatively Identified Compounds (TICs) - TICs were not reported.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-01 (02242020) Lab Sample ID: 460-203699-1

Matrix: Solid Lab File ID: O55240.D

Analysis Method: 8260C Date Collected: 02/24/2020 16:30

Sample wt/vol: 5.642(g) Date Analyzed: 03/04/2020 11:35

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.4 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21000		58	16
79-34-5	1,1,2,2-Tetrachloroethane	58	U	58	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	58	U	58	20
79-00-5	1,1,2-Trichloroethane	57	J	58	4.6
75-34-3	1,1-Dichloroethane	58	U	58	14
75-35-4	1,1-Dichloroethene	55	J	58	15
120-82-1	1,2,4-Trichlorobenzene	58	U	58	16
96-12-8	1,2-Dibromo-3-Chloropropane	58	U	58	13
106-93-4	1,2-Dibromoethane	58	U	58	11
95-50-1	1,2-Dichlorobenzene	58	U	58	13
107-06-2	1,2-Dichloroethane	58	U	58	14
78-87-5	1,2-Dichloropropane	58	U	58	10
541-73-1	1,3-Dichlorobenzene	58	U	58	19
106-46-7	1,4-Dichlorobenzene	58	U	58	19
78-93-3	2-Butanone (MEK)	170	J	290	130
591-78-6	2-Hexanone	290	U	290	66
108-10-1	4-Methyl-2-pentanone (MIBK)	290	U	290	75
67-64-1	Acetone	290	U	290	260
71-43-2	Benzene	58	U	58	12
75-27-4	Bromodichloromethane	58	U	58	8.7
75-25-2	Bromoform	58	U	58	10
74-83-9	Bromomethane	58	U	58	32
75-15-0	Carbon disulfide	58	U	58	39
56-23-5	Carbon tetrachloride	58	U	58	19
108-90-7	Chlorobenzene	58	U	58	14
75-00-3	Chloroethane	58	U	58	21
67-66-3	Chloroform	58	U	58	13
74-87-3	Chloromethane	58	U	58	23
156-59-2	cis-1,2-Dichloroethene	40	J	58	15
10061-01-5	cis-1,3-Dichloropropene	58	U	58	13
110-82-7	Cyclohexane	58	U	58	15
124-48-1	Dibromochloromethane	58	U	58	13
75-71-8	Dichlorodifluoromethane	58	U	58	18
100-41-4	Ethylbenzene	58	U	58	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-01 (02242020) Lab Sample ID: 460-203699-1

Matrix: Solid Lab File ID: O55240.D

Analysis Method: 8260C Date Collected: 02/24/2020 16:30

Sample wt/vol: 5.642(g) Date Analyzed: 03/04/2020 11:35

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.4 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	58	U	58	18
79-20-9	Methyl acetate	290	U	290	45
1634-04-4	Methyl tert-butyl ether	58	U	58	7.5
108-87-2	Methylcyclohexane	58	U	58	13
75-09-2	Methylene Chloride	58	U	58	12
100-42-5	Styrene	58	U	58	9.8
127-18-4	Tetrachloroethene	58	U	58	21
108-88-3	Toluene	58	U	58	14
156-60-5	trans-1,2-Dichloroethene	58	U	58	10
10061-02-6	trans-1,3-Dichloropropene	58	U ug	58	11
79-01-6	Trichloroethene	1500		58	13
75-69-4	Trichlorofluoromethane	58	U	58	18
75-01-4	Vinyl chloride	58	U	58	12
1330-20-7	Xylenes, Total	120	U	120	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		80-150
2037-26-5	Toluene-d8 (Surr)	106		80-141
1868-53-7	Dibromofluoromethane (Surr)	114		80-140
460-00-4	4-Bromofluorobenzene	117		80-144

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-02 (02242020) Lab Sample ID: 460-203699-2

Matrix: Solid Lab File ID: O55241.D

Analysis Method: 8260C Date Collected: 02/24/2020 16:35

Sample wt/vol: 5.391(g) Date Analyzed: 03/04/2020 12:01

Soil Aliquot Vol: 5 (mL) Dilution Factor: 200

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.8 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	71000		240	68
79-34-5	1,1,2,2-Tetrachloroethane	240	U	240	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	240	U	240	82
79-00-5	1,1,2-Trichloroethane	120	J	240	19
75-34-3	1,1-Dichloroethane	150	J	240	58
75-35-4	1,1-Dichloroethene	150	J	240	64
120-82-1	1,2,4-Trichlorobenzene	240	U	240	65
96-12-8	1,2-Dibromo-3-Chloropropane	240	U	240	56
106-93-4	1,2-Dibromoethane	240	U	240	46
95-50-1	1,2-Dichlorobenzene	240	U	240	53
107-06-2	1,2-Dichloroethane	240	U	240	61
78-87-5	1,2-Dichloropropane	240	U	240	44
541-73-1	1,3-Dichlorobenzene	240	U	240	80
106-46-7	1,4-Dichlorobenzene	240	U	240	81
78-93-3	2-Butanone (MEK)	1200	U	1200	530
591-78-6	2-Hexanone	1200	U	1200	280
108-10-1	4-Methyl-2-pentanone (MIBK)	1200	U	1200	320
67-64-1	Acetone	1200	U	1200	1100
71-43-2	Benzene	240	U	240	49
75-27-4	Bromodichloromethane	240	U	240	36
75-25-2	Bromoform	240	U	240	44
74-83-9	Bromomethane	240	U	240	130
75-15-0	Carbon disulfide	240	U	240	160
56-23-5	Carbon tetrachloride	240	U	240	80
108-90-7	Chlorobenzene	240	U	240	58
75-00-3	Chloroethane	240	U	240	90
67-66-3	Chloroform	240	U	240	53
74-87-3	Chloromethane	240	U	240	97
156-59-2	cis-1,2-Dichloroethene	120	J	240	63
10061-01-5	cis-1,3-Dichloropropene	240	U	240	54
110-82-7	Cyclohexane	240	U	240	63
124-48-1	Dibromochloromethane	240	U	240	53
75-71-8	Dichlorodifluoromethane	240	U	240	75
100-41-4	Ethylbenzene	240	U	240	73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-02 (02242020) Lab Sample ID: 460-203699-2

Matrix: Solid Lab File ID: O55241.D

Analysis Method: 8260C Date Collected: 02/24/2020 16:35

Sample wt/vol: 5.391(g) Date Analyzed: 03/04/2020 12:01

Soil Aliquot Vol: 5 (mL) Dilution Factor: 200

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.8 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	240	U	240	77
79-20-9	Methyl acetate	1200	U	1200	190
1634-04-4	Methyl tert-butyl ether	240	U	240	31
108-87-2	Methylcyclohexane	240	U	240	53
75-09-2	Methylene Chloride	240	U	240	51
100-42-5	Styrene	240	U	240	41
127-18-4	Tetrachloroethene	240	U	240	87
108-88-3	Toluene	430		240	61
156-60-5	trans-1,2-Dichloroethene	240	U	240	44
10061-02-6	trans-1,3-Dichloropropene	240	~~U~~ UJ	240	46
79-01-6	Trichloroethene	15000		240	53
75-69-4	Trichlorofluoromethane	240	U	240	77
75-01-4	Vinyl chloride	240	U	240	48
1330-20-7	Xylenes, Total	180	J	480	68

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		80-150
2037-26-5	Toluene-d8 (Surr)	121		80-141
1868-53-7	Dibromofluoromethane (Surr)	138		80-140
460-00-4	4-Bromofluorobenzene	139		80-144

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-01 (02242020) Lab Sample ID: 460-203699-1

Matrix: Solid Lab File ID: X277092.d

Analysis Method: 8270D Date Collected: 02/24/2020 16:30

Extract. Method: 3546 Date Extracted: 02/27/2020 09:10

Sample wt/vol: 15.00(g) Date Analyzed: 02/28/2020 04:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 12.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 677791 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	380	U	380	5.0
108-60-1	2,2'-oxybis(1-chloropropane)	380	U	380	6.8
95-95-4	2,4,5-Trichlorophenol	380	U	380	38
88-06-2	2,4,6-Trichlorophenol	150	U	150	49
120-83-2	2,4-Dichlorophenol	150	U	150	24
105-67-9	2,4-Dimethylphenol	380	U	380	17
51-28-5	2,4-Dinitrophenol	300	U	300	190
121-14-2	2,4-Dinitrotoluene	77	U	77	41
606-20-2	2,6-Dinitrotoluene	77	U	77	27
91-58-7	2-Chloronaphthalene	380	U	380	17
95-57-8	2-Chlorophenol	380	U	380	13
91-57-6	2-Methylnaphthalene	380	U	380	11
95-48-7	2-Methylphenol	380	U	380	14
88-74-4	2-Nitroaniline	380	U	380	14
88-75-5	2-Nitrophenol	380	U	380	38
91-94-1	3,3'-Dichlorobenzidine	150	U	150	57
99-09-2	3-Nitroaniline	380	U	380	43
534-52-1	4,6-Dinitro-2-methylphenol	300	U	300	61
101-55-3	4-Bromophenyl phenyl ether	380	U	380	15
59-50-7	4-Chloro-3-methylphenol	380	U	380	21
106-47-8	4-Chloroaniline	380	U	380	26
7005-72-3	4-Chlorophenyl phenyl ether	380	U	380	13
106-44-5	4-Methylphenol	380	U	380	24
100-01-6	4-Nitroaniline	380	U	380	43
100-02-7	4-Nitrophenol	770	U	770	62
83-32-9	Acenaphthene	380	U	380	27
208-96-8	Acenaphthylene	8.6	J	380	3.9
98-86-2	Acetophenone	380	U	380	19
120-12-7	Anthracene	380	U	380	11
1912-24-9	Atrazine	150	U	150	9.5
100-52-7	Benzaldehyde	380	U	380	16
56-55-3	Benzo[a]anthracene	38	U	38	13
50-32-8	Benzo[a]pyrene	38	U	38	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

1

Lab Name: Eurofins TestAmerica, Edison | Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-01 (02242020) | Lab Sample ID: 460-203699-1

Matrix: Solid | Lab File ID: X277092.d

Analysis Method: 8270D | Date Collected: 02/24/2020 16:30

Extract. Method: 3546 | Date Extracted: 02/27/2020 09:10

Sample wt/vol: 15.00(g) | Date Analyzed: 02/28/2020 04:10

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 12.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 677791 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	38	U	38	9.8
191-24-2	Benzo[g,h,i]perylene	34	J	380	11
207-08-9	Benzo[k]fluoranthene	38	U	38	7.4
111-91-1	Bis(2-chloroethoxy)methane	380	U	380	29
111-44-4	Bis(2-chloroethyl)ether	38	U	38	13
117-81-7	Bis(2-ethylhexyl) phthalate	33	J	380	20
85-68-7	Butyl benzyl phthalate	380	U	380	18
105-60-2	Caprolactam	380	U	380	59
86-74-8	Carbazole	380	U	380	14
218-01-9	Chrysene	380	U	380	6.4
53-70-3	Dibenz(a,h)anthracene	38	U	38	16
132-64-9	Dibenzofuran	380	U	380	5.3
84-66-2	Diethyl phthalate	380	U	380	5.5
131-11-3	Dimethyl phthalate	380	U	380	86
84-74-2	Di-n-butyl phthalate	380	U	380	67
117-84-0	Di-n-octyl phthalate	380	U	380	20
206-44-0	Fluoranthene	380	U	380	13
86-73-7	Fluorene	380	U	380	5.1
118-74-1	Hexachlorobenzene	38	U	38	18
87-68-3	Hexachlorobutadiene	77	U	77	8.0
77-47-4	Hexachlorocyclopentadiene	380	U	380	33
67-72-1	Hexachloroethane	38	U	38	13
193-39-5	Indeno[1,2,3-cd]pyrene	28	J	38	15
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	14	J	380	6.5
98-95-3	Nitrobenzene	38	U	38	9.1
621-64-7	N-Nitrosodi-n-propylamine	38	U	38	27
86-30-6	N-Nitrosodiphenylamine	380	U	380	7.2
87-86-5	Pentachlorophenol	300	U	300	77
85-01-8	Phenanthrene	380	U	380	6.6
108-95-2	Phenol	380	U	380	14
129-00-0	Pyrene	380	U	380	9.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203699-1

SDG No.:

Client Sample ID: JS-Culvert-EP-02 (02242020) Lab Sample ID: 460-203699-2

Matrix: Solid Lab File ID: X277083.d

Analysis Method: 8270D Date Collected: 02/24/2020 16:35

Extract. Method: 3546 Date Extracted: 02/27/2020 09:10

Sample wt/vol: 15.00(g) Date Analyzed: 02/28/2020 00:40

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 12.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 677791 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	380	U	380	5.0
108-60-1	2,2'-oxybis(1-chloropropane)	380	U	380	6.9
95-95-4	2,4,5-Trichlorophenol	380	U	380	39
88-06-2	2,4,6-Trichlorophenol	150	U	150	49
120-83-2	2,4-Dichlorophenol	150	U	150	24
105-67-9	2,4-Dimethylphenol	380	U	380	17
51-28-5	2,4-Dinitrophenol	310	U	310	190
121-14-2	2,4-Dinitrotoluene	77	U	77	41
606-20-2	2,6-Dinitrotoluene	77	U	77	27
91-58-7	2-Chloronaphthalene	380	U	380	18
95-57-8	2-Chlorophenol	380	U	380	14
91-57-6	2-Methylnaphthalene	380	U	380	11
95-48-7	2-Methylphenol	380	U	380	14
88-74-4	2-Nitroaniline	380	U	380	14
88-75-5	2-Nitrophenol	380	U	380	38
91-94-1	3,3'-Dichlorobenzidine	150	U	150	57
99-09-2	3-Nitroaniline	380	U	380	43
534-52-1	4,6-Dinitro-2-methylphenol	310	U	310	62
101-55-3	4-Bromophenyl phenyl ether	380	U	380	15
59-50-7	4-Chloro-3-methylphenol	380	U	380	21
106-47-8	4-Chloroaniline	380	U	380	27
7005-72-3	4-Chlorophenyl phenyl ether	380	U	380	13
106-44-5	4-Methylphenol	380	U	380	24
100-01-6	4-Nitroaniline	380	U	380	44
100-02-7	4-Nitrophenol	770	U	770	62
83-32-9	Acenaphthene	380	U	380	28
208-96-8	Acenaphthylene	380	U	380	3.9
98-86-2	Acetophenone	380	U	380	19
120-12-7	Anthracene	380	U	380	12
1912-24-9	Atrazine	150	U	150	9.6
100-52-7	Benzaldehyde	380	U	380	17
56-55-3	Benzo[a]anthracene	38	U	38	13
50-32-8	Benzo[a]pyrene	38	U	38	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison
Job No.: 460-203699-1
SDG No.:
Client Sample ID: JS-Culvert-EP-02 (02242020)
Lab Sample ID: 460-203699-2
Matrix: Solid
Lab File ID: X277083.d
Analysis Method: 8270D
Date Collected: 02/24/2020 16:35
Extract. Method: 3546
Date Extracted: 02/27/2020 09:10
Sample wt/vol: 15.00(g)
Date Analyzed: 02/28/2020 00:40
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 12.8
GPC Cleanup:(Y/N) N
Analysis Batch No.: 677791
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	38	U	38	9.8
191-24-2	Benzo[g,h,i]perylene	380	U	380	11
207-08-9	Benzo[k]fluoranthene	38	U	38	7.4
111-91-1	Bis(2-chloroethoxy)methane	380	U	380	30
111-44-4	Bis(2-chloroethyl)ether	38	U	38	13
117-81-7	Bis(2-ethylhexyl) phthalate	380	U	380	20
85-68-7	Butyl benzyl phthalate	380	U	380	18
105-60-2	Caprolactam	380	U	380	59
86-74-8	Carbazole	380	U	380	14
218-01-9	Chrysene	380	U	380	6.4
53-70-3	Dibenz(a,h)anthracene	38	U	38	16
132-64-9	Dibenzofuran	380	U	380	5.3
84-66-2	Diethyl phthalate	380	U	380	5.5
131-11-3	Dimethyl phthalate	380	U	380	86
84-74-2	Di-n-butyl phthalate	380	U	380	67
117-84-0	Di-n-octyl phthalate	380	U	380	20
206-44-0	Fluoranthene	380	U	380	13
86-73-7	Fluorene	380	U	380	5.1
118-74-1	Hexachlorobenzene	38	U	38	18
87-68-3	Hexachlorobutadiene	77	U	77	8.1
77-47-4	Hexachlorocyclopentadiene	380	U	380	33
67-72-1	Hexachloroethane	38	U	38	13
193-39-5	Indeno[1,2,3-cd]pyrene	38	U	38	15
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	380	U	380	6.6
98-95-3	Nitrobenzene	38	U	38	9.1
621-64-7	N-Nitrosodi-n-propylamine	38	U	38	28
86-30-6	N-Nitrosodiphenylamine	380	U	380	7.3
87-86-5	Pentachlorophenol	310	U	310	78
85-01-8	Phenanthrene	380	U	380	6.7
108-95-2	Phenol	380	U	380	14
129-00-0	Pyrene	380	U	380	9.4

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York Date: March 27, 2020

SDG : 460-203777-1

Laboratory: Test America, Edison, New Jersey

EDS Sample ID	Client Sample ID	Laboratory Sample Numbers	Matrix
01	JS-Culvert-EP-03(02262020)	460-203777-1	Solid
02	JS-Culvert-EP-04(02262020)	460-203777-2	Solid
03	JS-Culvert-EP-05(02262020)	460-203777-3	Solid
04	JS-Culvert-EP-06(02262020)	460-203777-4	Solid
05	JS-Culvert-EP-07(02262020)	460-203777-5	Solid
06	JS-Culvert-EP-08(02262020)	460-203777-6	Solid

Note (s): The laboratory reports positively identified results between the reporting limit (RL) and the method detection limit (MDL) with a J. These results are considered estimated, however still valid and useable for project objectives.

VOLATILE ORGANIC COMPOUNDS (VOCs)

USEPA SW-846 Method 8260C

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R) except for the following.

EDS Sample ID	Surrogate	%R	Qualifier
2	Dibromofluoromethane	144%	J - Positive Results
6	4-Bromofluorobenzene	147%	J - Positive Results

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks exhibited the following target compounds.

Blank ID	Compound	Conc. ug/kg	Qualifier	Affected Samples
MB 460-678492/8	Chloroform	0.518	U	1

Trip Blank/Equipment Blank (TB/EB) - Equipment blank samples/trip blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
03/03/20 (0611)	1,1,2-Trichloro-1,2,2-Trifluoroethane	25.2%	UJ	2, 3, 4, 6
	trans-1,3-Dichloropropene	20.7%	UJ	
03/04/20 (0717)	trans-1,3-Dichloropropene	25.1%	UJ	5

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - Several samples were analyzed at various dilutions due to high concentrations of target compounds. The reporting limits were adjusted accordingly. No action was required.

Tentatively Identified Compounds (TICs) - TICs were not reported.

SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)

USEPA SW-846 Method 8270D

The analytical method, the NYSDEC ASP, the USEPA CLP National Functional Guidelines for Organic Data Review (January 2017), and the reviewer's professional judgment were used in evaluating the data in this summary report.

Holding Times (HT) - All HT criteria were met.

Surrogate Spikes - All samples exhibited acceptable surrogate spike percent recoveries (%R).

Matrix Spike/Matrix Spike Duplicate (MS/MSD) - MS/MSD samples were not analyzed.

Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) - All %R and RPD values met QC criteria.

Method Blank (MB) - The method blanks applicable to the samples exhibited no target compounds.

Equipment Blank (EB) - Equipment blank samples were not collected.

Initial Calibration (ICAL) - The initial calibrations exhibited acceptable %RSD and/or correlation coefficients and mean RRF values.

Continuing Calibration (CCAL) - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values except for the following.

CCAL Date	Compound	%D	Qualifier	Affected Samples
02/28/20 (2302)	2-Nitroaniline	28.8%	UJ	1-6
	Butylbenzyl phthalate	28.7%	UJ	

Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

Field Duplicate - Field duplicate samples were not collected.

Sample Analysis - All criteria were met.

Tentatively Identified Compounds (TICs) - TICs were not reported.

Data Qualifier	Definition
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
UJ	The analyte was analyzed for but was not detected. The reported quantitation limits is approximate and may be inaccurate or imprecise.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the samples.

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-03 (02262020) Lab Sample ID: 460-203777-1

Matrix: Solid Lab File ID: K11019.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:00

Sample wt/vol: 5.278(g) Date Analyzed: 03/03/2020 13:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 9.8 Level: (low/med) Low

Analysis Batch No.: 678492 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	500		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.22
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.32
79-00-5	1,1,2-Trichloroethane	2.9		1.0	0.19
75-34-3	1,1-Dichloroethane	0.66	J	1.0	0.22
75-35-4	1,1-Dichloroethene	0.90	J	1.0	0.24
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.38
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.48
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.15
107-06-2	1,2-Dichloroethane	0.35	J	1.0	0.31
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.44
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.17
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.24
78-93-3	2-Butanone (MEK)	5.2	U	5.2	2.8
591-78-6	2-Hexanone	5.2	U	5.2	1.8
108-10-1	4-Methyl-2-pentanone (MIBK)	5.2	U	5.2	1.6
67-64-1	Acetone	6.3	U	6.3	6.0
71-43-2	Benzene	1.0	U	1.0	0.27
75-25-2	Bromoform	1.0	U	1.0	0.45
74-83-9	Bromomethane	1.0	U	1.0	0.50
75-15-0	Carbon disulfide	1.0	U	1.0	0.28
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.41
108-90-7	Chlorobenzene	1.0	U	1.0	0.19
124-48-1	Dibromochloromethane	1.0	U	1.0	0.20
75-00-3	Chloroethane	1.0	U	1.0	0.55
67-66-3	Chloroform	1.0 ~~0.61~~	~~J B~~ U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.46
156-59-2	cis-1,2-Dichloroethene	1.6		1.0	0.16
110-82-7	Cyclohexane	1.0	U	1.0	0.23
75-27-4	Bromodichloromethane	1.0	U	1.0	0.27
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.35
100-41-4	Ethylbenzene	1.0	U	1.0	0.21
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.19
98-82-8	Isopropylbenzene	1.0	U	1.0	0.13

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-03 (02262020) Lab Sample ID: 460-203777-1

Matrix: Solid Lab File ID: K11019.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:00

Sample wt/vol: 5.278(g) Date Analyzed: 03/03/2020 13:07

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: 9.8 Level: (low/med) Low

Analysis Batch No.: 678492 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	5.2	U	5.2	4.5
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.13
108-87-2	Methylcyclohexane	1.0	U	1.0	0.52
75-09-2	Methylene Chloride	1.0	U	1.0	0.49
127-18-4	Tetrachloroethene	1.0	U	1.0	0.15
108-88-3	Toluene	3.7		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.26
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.28
79-01-6	Trichloroethene	240		1.0	0.15
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.43
75-01-4	Vinyl chloride	1.0	U	1.0	0.57
1330-20-7	Xylenes, Total	2.1	U	2.1	0.18
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.29
100-42-5	Styrene	1.0	U	1.0	0.29

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		77-145
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	108		48-150
460-00-4	4-Bromofluorobenzene	103		79-125

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-04 (02262020) Lab Sample ID: 460-203777-2

Matrix: Solid Lab File ID: O55223.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:15

Sample wt/vol: 6.727(g) Date Analyzed: 03/03/2020 15:38

Soil Aliquot Vol: 5 (mL) Dilution Factor: 250

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 8.7 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	54000	J	230	64
79-34-5	1,1,2,2-Tetrachloroethane	230	U	230	43
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	230	UJ	230	77
79-00-5	1,1,2-Trichloroethane	77	J	230	18
75-34-3	1,1-Dichloroethane	360		230	55
75-35-4	1,1-Dichloroethene	190	J	230	60
120-82-1	1,2,4-Trichlorobenzene	230	U	230	61
96-12-8	1,2-Dibromo-3-Chloropropane	230	U	230	52
95-50-1	1,2-Dichlorobenzene	230	U	230	50
107-06-2	1,2-Dichloroethane	230	U	230	57
78-87-5	1,2-Dichloropropane	230	U	230	41
541-73-1	1,3-Dichlorobenzene	230	U	230	75
106-46-7	1,4-Dichlorobenzene	230	U	230	76
78-93-3	2-Butanone (MEK)	1100	U	1100	500
591-78-6	2-Hexanone	1100	U	1100	260
108-10-1	4-Methyl-2-pentanone (MIBK)	1100	U	1100	300
67-64-1	Acetone	1100	U	1100	1000
71-43-2	Benzene	230	U	230	46
75-25-2	Bromoform	230	U	230	41
74-83-9	Bromomethane	230	U	230	130
75-15-0	Carbon disulfide	230	U	230	150
56-23-5	Carbon tetrachloride	230	U	230	75
108-90-7	Chlorobenzene	230	U	230	55
124-48-1	Dibromochloromethane	230	U	230	50
75-00-3	Chloroethane	230	U	230	84
67-66-3	Chloroform	230	U	230	50
74-87-3	Chloromethane	230	U	230	91
156-59-2	cis-1,2-Dichloroethene	1200	J	230	59
110-82-7	Cyclohexane	230	U	230	59
75-27-4	Bromodichloromethane	230	U	230	34
75-71-8	Dichlorodifluoromethane	230	U	230	71
100-41-4	Ethylbenzene	230	U	230	68
106-93-4	1,2-Dibromoethane	230	U	230	43
98-82-8	Isopropylbenzene	230	U	230	73

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-04 (02262020) Lab Sample ID: 460-203777-2

Matrix: Solid Lab File ID: O55223.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:15

Sample wt/vol: 6.727(g) Date Analyzed: 03/03/2020 15:38

Soil Aliquot Vol: 5 (mL) Dilution Factor: 250

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 8.7 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	1100	U	1100	180
1634-04-4	Methyl tert-butyl ether	230	U	230	30
108-87-2	Methylcyclohexane	230	U	230	50
75-09-2	Methylene Chloride	230	U	230	48
127-18-4	Tetrachloroethene	190	~~J~~ J	230	82
108-88-3	Toluene	210	~~J~~	230	57
156-60-5	trans-1,2-Dichloroethene	84	~~J~~	230	41
10061-02-6	trans-1,3-Dichloropropene	230	~~U~~ UJ	230	43
79-01-6	Trichloroethene	110000	J	230	50
75-69-4	Trichlorofluoromethane	230	U	230	73
75-01-4	Vinyl chloride	230	U	230	45
1330-20-7	Xylenes, Total	450	U	450	64
10061-01-5	cis-1,3-Dichloropropene	230	U	230	50
100-42-5	Styrene	230	U	230	39

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	133		80-150
2037-26-5	Toluene-d8 (Surr)	127		80-141
1868-53-7	Dibromofluoromethane (Surr)	144	~~TH~~	80-140
460-00-4	4-Bromofluorobenzene	143		80-144

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-05 (02262020) Lab Sample ID: 460-203777-3

Matrix: Solid Lab File ID: O55221.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:30

Sample wt/vol: 6.816(g) Date Analyzed: 03/03/2020 14:46

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.2 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3400		45	13
79-34-5	1,1,2,2-Tetrachloroethane	45	U	45	8.6
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	45	U UJ	45	15
79-00-5	1,1,2-Trichloroethane	18	J	45	3.6
75-34-3	1,1-Dichloroethane	45	U	45	11
75-35-4	1,1-Dichloroethene	45	U	45	12
120-82-1	1,2,4-Trichlorobenzene	45	U	45	12
96-12-8	1,2-Dibromo-3-Chloropropane	45	U	45	10
95-50-1	1,2-Dichlorobenzene	45	U	45	10
107-06-2	1,2-Dichloroethane	45	U	45	11
78-87-5	1,2-Dichloropropane	45	U	45	8.2
541-73-1	1,3-Dichlorobenzene	45	U	45	15
106-46-7	1,4-Dichlorobenzene	45	U	45	15
78-93-3	2-Butanone (MEK)	230	U	230	100
591-78-6	2-Hexanone	230	U	230	52
108-10-1	4-Methyl-2-pentanone (MIBK)	230	U	230	59
67-64-1	Acetone	230	U	230	200
71-43-2	Benzene	45	U	45	9.2
75-25-2	Bromoform	45	U	45	8.2
74-83-9	Bromomethane	45	U	45	25
75-15-0	Carbon disulfide	45	U	45	31
56-23-5	Carbon tetrachloride	45	U	45	15
108-90-7	Chlorobenzene	45	U	45	11
124-48-1	Dibromochloromethane	45	U	45	10
75-00-3	Chloroethane	45	U	45	17
67-66-3	Chloroform	45	U	45	10
74-87-3	Chloromethane	45	U	45	18
156-59-2	cis-1,2-Dichloroethene	58		45	12
110-82-7	Cyclohexane	45	U	45	12
75-27-4	Bromodichloromethane	45	U	45	6.8
75-71-8	Dichlorodifluoromethane	45	U	45	14
100-41-4	Ethylbenzene	45	U	45	14
106-93-4	1,2-Dibromoethane	45	U	45	8.6
98-82-8	Isopropylbenzene	45	U	45	15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-05 (02262020) Lab Sample ID: 460-203777-3

Matrix: Solid Lab File ID: O55221.D

Analysis Method: 8260C Date Collected: 02/26/2020 09:30

Sample wt/vol: 6.816(g) Date Analyzed: 03/03/2020 14:46

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.2 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	230	U	230	36
1634-04-4	Methyl tert-butyl ether	45	U	45	5.9
108-87-2	Methylcyclohexane	45	U	45	10
75-09-2	Methylene Chloride	45	U	45	9.5
127-18-4	Tetrachloroethene	20	J	45	16
108-88-3	Toluene	42	J	45	11
156-60-5	trans-1,2-Dichloroethene	45	U	45	8.2
10061-02-6	trans-1,3-Dichloropropene	45	~~U~~ UJ	45	8.6
79-01-6	Trichloroethene	4100		45	10
75-69-4	Trichlorofluoromethane	45	U	45	15
75-01-4	Vinyl chloride	45	U	45	9.1
1330-20-7	Xylenes, Total	91	U	91	13
10061-01-5	cis-1,3-Dichloropropene	45	U	45	10
100-42-5	Styrene	45	U	45	7.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		80-150
2037-26-5	Toluene-d8 (Surr)	106		80-141
1868-53-7	Dibromofluoromethane (Surr)	112		80-140
460-00-4	4-Bromofluorobenzene	117		80-144

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-06 (02262020) Lab Sample ID: 460-203777-4

Matrix: Solid Lab File ID: O55222.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:00

Sample wt/vol: 5.533(g) Date Analyzed: 03/03/2020 15:12

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.7 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5300		58	16
79-34-5	1,1,2,2-Tetrachloroethane	58	U	58	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	58	U ug	58	20
79-00-5	1,1,2-Trichloroethane	120		58	4.6
75-34-3	1,1-Dichloroethane	36	J	58	14
75-35-4	1,1-Dichloroethene	32	J	58	15
120-82-1	1,2,4-Trichlorobenzene	58	U	58	16
96-12-8	1,2-Dibromo-3-Chloropropane	58	U	58	13
95-50-1	1,2-Dichlorobenzene	58	U	58	13
107-06-2	1,2-Dichloroethane	31	J	58	14
78-87-5	1,2-Dichloropropane	58	U	58	10
541-73-1	1,3-Dichlorobenzene	58	U	58	19
106-46-7	1,4-Dichlorobenzene	58	U	58	19
78-93-3	2-Butanone (MEK)	290	U	290	130
591-78-6	2-Hexanone	290	U	290	66
108-10-1	4-Methyl-2-pentanone (MIBK)	290	U	290	75
67-64-1	Acetone	290	U	290	260
71-43-2	Benzene	58	U	58	12
75-25-2	Bromoform	58	U	58	10
74-83-9	Bromomethane	58	U	58	32
75-15-0	Carbon disulfide	58	U	58	39
56-23-5	Carbon tetrachloride	58	U	58	19
108-90-7	Chlorobenzene	58	U	58	14
124-48-1	Dibromochloromethane	58	U	58	13
75-00-3	Chloroethane	58	U	58	21
67-66-3	Chloroform	58	U	58	13
74-87-3	Chloromethane	58	U	58	23
156-59-2	cis-1,2-Dichloroethene	200		58	15
110-82-7	Cyclohexane	16	J	58	15
75-27-4	Bromodichloromethane	58	U	58	8.7
75-71-8	Dichlorodifluoromethane	58	U	58	18
100-41-4	Ethylbenzene	37	J	58	17
106-93-4	1,2-Dibromoethane	58	U	58	11
98-82-8	Isopropylbenzene	58	U	58	19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-06 (02262020) Lab Sample ID: 460-203777-4

Matrix: Solid Lab File ID: O55222.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:00

Sample wt/vol: 5.533(g) Date Analyzed: 03/03/2020 15:12

Soil Aliquot Vol: 5 (mL) Dilution Factor: 50

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 11.7 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	290	U	290	45
1634-04-4	Methyl tert-butyl ether	58	U	58	7.5
108-87-2	Methylcyclohexane	16	J	58	13
75-09-2	Methylene Chloride	20	J	58	12
127-18-4	Tetrachloroethene	58	U	58	21
108-88-3	Toluene	330		58	14
156-60-5	trans-1,2-Dichloroethene	26	J	58	10
10061-02-6	trans-1,3-Dichloropropene	58	~~U~~ UJ	58	11
79-01-6	Trichloroethene	16000		58	13
75-69-4	Trichlorofluoromethane	58	U	58	19
75-01-4	Vinyl chloride	58	U	58	12
1330-20-7	Xylenes, Total	150		120	16
10061-01-5	cis-1,3-Dichloropropene	58	U	58	13
100-42-5	Styrene	58	U	58	9.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	122		80-150
2037-26-5	Toluene-d8 (Surr)	124		80-141
1868-53-7	Dibromofluoromethane (Surr)	135		80-140
460-00-4	4-Bromofluorobenzene	140		80-144

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-07 (02262020) Lab Sample ID: 460-203777-5

Matrix: Solid Lab File ID: O55253.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:15

Sample wt/vol: 7.292(g) Date Analyzed: 03/04/2020 17:08

Soil Aliquot Vol: 5 (mL) Dilution Factor: 200

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.2 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	40000		180	52
79-34-5	1,1,2,2-Tetrachloroethane	180	U	180	35
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	180	U	180	63
79-00-5	1,1,2-Trichloroethane	71	J	180	15
75-34-3	1,1-Dichloroethane	110	J	180	44
75-35-4	1,1-Dichloroethene	180	U	180	49
120-82-1	1,2,4-Trichlorobenzene	180	U	180	50
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	42
95-50-1	1,2-Dichlorobenzene	180	U	180	41
107-06-2	1,2-Dichloroethane	180	U	180	46
78-87-5	1,2-Dichloropropane	180	U	180	33
541-73-1	1,3-Dichlorobenzene	180	U	180	61
106-46-7	1,4-Dichlorobenzene	180	U	180	62
78-93-3	2-Butanone (MEK)	920	U	920	410
591-78-6	2-Hexanone	920	U	920	210
108-10-1	4-Methyl-2-pentanone (MIBK)	920	U	920	240
67-64-1	Acetone	920	U	920	810
71-43-2	Benzene	180	U	180	37
75-25-2	Bromoform	180	U	180	33
74-83-9	Bromomethane	180	U	180	100
75-15-0	Carbon disulfide	180	U	180	120
56-23-5	Carbon tetrachloride	180	U	180	61
108-90-7	Chlorobenzene	180	U	180	44
124-48-1	Dibromochloromethane	180	U	180	41
75-00-3	Chloroethane	180	U	180	68
67-66-3	Chloroform	180	U	180	41
74-87-3	Chloromethane	180	U	180	74
156-59-2	cis-1,2-Dichloroethene	340		180	48
110-82-7	Cyclohexane	180	U	180	48
75-27-4	Bromodichloromethane	180	U	180	28
75-71-8	Dichlorodifluoromethane	180	U	180	57
100-41-4	Ethylbenzene	180	U	180	55
106-93-4	1,2-Dibromoethane	180	U	180	35
98-82-8	Isopropylbenzene	180	U	180	59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-07 (02262020) Lab Sample ID: 460-203777-5

Matrix: Solid Lab File ID: O55253.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:15

Sample wt/vol: 7.292(g) Date Analyzed: 03/04/2020 17:08

Soil Aliquot Vol: 5 (mL) Dilution Factor: 200

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 12.2 Level: (low/med) Medium

Analysis Batch No.: 678735 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	920	U	920	140
1634-04-4	Methyl tert-butyl ether	180	U	180	24
108-87-2	Methylcyclohexane	180	U	180	41
75-09-2	Methylene Chloride	180	U	180	39
127-18-4	Tetrachloroethene	180	U	180	66
108-88-3	Toluene	180	U	180	46
156-60-5	trans-1,2-Dichloroethene	34	J	180	33
10061-02-6	trans-1,3-Dichloropropene	180	~~U~~ UJ	180	35
79-01-6	Trichloroethene	29000		180	41
75-69-4	Trichlorofluoromethane	180	U	180	59
75-01-4	Vinyl chloride	180	U	180	37
1330-20-7	Xylenes, Total	370	U	370	52
10061-01-5	cis-1,3-Dichloropropene	180	U	180	41
100-42-5	Styrene	180	U	180	31

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		80-150
2037-26-5	Toluene-d8 (Surr)	118		80-141
1868-53-7	Dibromofluoromethane (Surr)	134		80-140
460-00-4	4-Bromofluorobenzene	137		80-144

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-08 (02262020) Lab Sample ID: 460-203777-6

Matrix: Solid Lab File ID: O55226.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:30

Sample wt/vol: 6.081(g) Date Analyzed: 03/03/2020 16:55

Soil Aliquot Vol: 5 (mL) Dilution Factor: 500

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.2 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	86000	J	500	140
79-34-5	1,1,2,2-Tetrachloroethane	500	U	500	96
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	500	U UJ	500	170
79-00-5	1,1,2-Trichloroethane	170	J	500	40
75-34-3	1,1-Dichloroethane	500	U	500	120
75-35-4	1,1-Dichloroethene	500	U	500	130
120-82-1	1,2,4-Trichlorobenzene	500	U	500	140
96-12-8	1,2-Dibromo-3-Chloropropane	500	U	500	120
95-50-1	1,2-Dichlorobenzene	500	U	500	110
107-06-2	1,2-Dichloroethane	500	U	500	130
78-87-5	1,2-Dichloropropane	500	U	500	91
541-73-1	1,3-Dichlorobenzene	500	U	500	170
106-46-7	1,4-Dichlorobenzene	500	U	500	170
78-93-3	2-Butanone (MEK)	2500	U	2500	1100
591-78-6	2-Hexanone	2500	U	2500	570
108-10-1	4-Methyl-2-pentanone (MIBK)	2500	U	2500	660
67-64-1	Acetone	2500	U	2500	2200
71-43-2	Benzene	500	U	500	100
75-25-2	Bromoform	500	U	500	91
74-83-9	Bromomethane	500	U	500	280
75-15-0	Carbon disulfide	500	U	500	340
56-23-5	Carbon tetrachloride	500	U	500	170
108-90-7	Chlorobenzene	500	U	500	120
124-48-1	Dibromochloromethane	500	U	500	110
75-00-3	Chloroethane	500	U	500	190
67-66-3	Chloroform	500	U	500	110
74-87-3	Chloromethane	500	U	500	200
156-59-2	cis-1,2-Dichloroethene	250	J	500	130
110-82-7	Cyclohexane	500	U	500	130
75-27-4	Bromodichloromethane	500	U	500	76
75-71-8	Dichlorodifluoromethane	500	U	500	160
100-41-4	Ethylbenzene	500	U	500	150
106-93-4	1,2-Dibromoethane	500	U	500	96
98-82-8	Isopropylbenzene	500	U	500	160

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-08 (02262020) Lab Sample ID: 460-203777-6

Matrix: Solid Lab File ID: O55226.D

Analysis Method: 8260C Date Collected: 02/26/2020 12:30

Sample wt/vol: 6.081(g) Date Analyzed: 03/03/2020 16:55

Soil Aliquot Vol: 5 (mL) Dilution Factor: 500

Soil Extract Vol.: 5(mL) GC Column: DB-624 ID: 0.18(mm)

% Moisture: 9.2 Level: (low/med) Medium

Analysis Batch No.: 678496 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
79-20-9	Methyl acetate	2500	U	2500	390
1634-04-4	Methyl tert-butyl ether	500	U	500	65
108-87-2	Methylcyclohexane	500	U	500	110
75-09-2	Methylene Chloride	500	U	500	110
127-18-4	Tetrachloroethene	500	U	500	180
108-88-3	Toluene	600	J	500	130
156-60-5	trans-1,2-Dichloroethene	500	U	500	91
10061-02-6	trans-1,3-Dichloropropene	500	~~U~~ UJ	500	96
79-01-6	Trichloroethene	37000	J	500	110
75-69-4	Trichlorofluoromethane	500	U	500	160
75-01-4	Vinyl chloride	500	U	500	100
1330-20-7	Xylenes, Total	1000	U	1000	140
10061-01-5	cis-1,3-Dichloropropene	500	U	500	110
100-42-5	Styrene	500	U	500	86

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	132		80-150
2037-26-5	Toluene-d8 (Surr)	131		80-141
1868-53-7	Dibromofluoromethane (Surr)	140		80-140
460-00-4	4-Bromofluorobenzene	147	~~TH~~	80-144

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison | Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-03 (02262020) | Lab Sample ID: 460-203777-1

Matrix: Solid | Lab File ID: f446684.D

Analysis Method: 8270D | Date Collected: 02/26/2020 09:00

Extract. Method: 3546 | Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) | Date Analyzed: 02/29/2020 10:02

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	370	U	370	4.9
108-60-1	2,2'-oxybis(1-chloropropane)	370	U	370	6.6
95-95-4	2,4,5-Trichlorophenol	370	U	370	37
88-06-2	2,4,6-Trichlorophenol	150	U	150	47
120-83-2	2,4-Dichlorophenol	150	U	150	24
105-67-9	2,4-Dimethylphenol	370	U	370	16
51-28-5	2,4-Dinitrophenol	290	U	290	180
121-14-2	2,4-Dinitrotoluene	74	U	74	39
606-20-2	2,6-Dinitrotoluene	74	U	74	26
91-58-7	2-Chloronaphthalene	370	U	370	17
95-57-8	2-Chlorophenol	370	U	370	13
91-57-6	2-Methylnaphthalene	11	J	370	10
95-48-7	2-Methylphenol	370	U	370	14
88-74-4	2-Nitroaniline	370	U UJ	370	14
88-75-5	2-Nitrophenol	370	U	370	37
91-94-1	3,3'-Dichlorobenzidine	150	U	150	55
99-09-2	3-Nitroaniline	370	U	370	41
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	60
101-55-3	4-Bromophenyl phenyl ether	370	U	370	15
59-50-7	4-Chloro-3-methylphenol	370	U	370	21
106-47-8	4-Chloroaniline	370	U	370	26
7005-72-3	4-Chlorophenyl phenyl ether	370	U	370	13
106-44-5	4-Methylphenol	370	U	370	23
100-01-6	4-Nitroaniline	370	U	370	42
100-02-7	4-Nitrophenol	740	U	740	60
83-32-9	Acenaphthene	370	U	370	27
208-96-8	Acenaphthylene	370	U	370	3.8
98-86-2	Acetophenone	370	U	370	18
120-12-7	Anthracene	370	U	370	11
1912-24-9	Atrazine	150	U	150	9.2
100-52-7	Benzaldehyde	370	U	370	16
56-55-3	Benzo[a]anthracene	36	J	37	13
50-32-8	Benzo[a]pyrene	24	J	37	9.8

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-03 (02262020) Lab Sample ID: 460-203777-1

Matrix: Solid Lab File ID: f446684.D

Analysis Method: 8270D Date Collected: 02/26/2020 09:00

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 10:02

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	36	J	37	9.5
191-24-2	Benzo[g,h,i]perylene	22	J	370	11
207-08-9	Benzo[k]fluoranthene	15	J	37	7.2
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	29
111-44-4	Bis(2-chloroethyl)ether	37	U	37	13
117-81-7	Bis(2-ethylhexyl) phthalate	370	U	370	19
85-68-7	Butyl benzyl phthalate	370	U UJ	370	17
105-60-2	Caprolactam	370	U	370	57
86-74-8	Carbazole	370	U	370	14
218-01-9	Chrysene	28	J	370	6.2
53-70-3	Dibenz(a,h)anthracene	37	U	37	16
132-64-9	Dibenzofuran	370	U	370	5.1
84-66-2	Diethyl phthalate	370	U	370	5.3
131-11-3	Dimethyl phthalate	370	U	370	83
84-74-2	Di-n-butyl phthalate	370	U	370	65
117-84-0	Di-n-octyl phthalate	370	U	370	19
206-44-0	Fluoranthene	35	J	370	13
86-73-7	Fluorene	370	U	370	5.0
118-74-1	Hexachlorobenzene	37	U	37	17
87-68-3	Hexachlorobutadiene	74	U	74	7.8
77-47-4	Hexachlorocyclopentadiene	370	U	370	32
67-72-1	Hexachloroethane	37	U	37	13
193-39-5	Indeno[1,2,3-cd]pyrene	37	U	37	14
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	440		370	6.3
98-95-3	Nitrobenzene	37	U	37	8.8
621-64-7	N-Nitrosodi-n-propylamine	37	U	37	27
86-30-6	N-Nitrosodiphenylamine	370	U	370	7.0
87-86-5	Pentachlorophenol	290	U	290	75
85-01-8	Phenanthrene	19	J	370	6.4
108-95-2	Phenol	370	U	370	13
129-00-0	Pyrene	35	J	370	9.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-04 (02262020) Lab Sample ID: 460-203777-2

Matrix: Solid Lab File ID: f446683.D

Analysis Method: 8270D Date Collected: 02/26/2020 09:15

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:45

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 8.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	360	U	360	4.8
108-60-1	2,2'-oxybis(1-chloropropane)	360	U	360	6.6
95-95-4	2,4,5-Trichlorophenol	360	U	360	37
88-06-2	2,4,6-Trichlorophenol	150	U	150	47
120-83-2	2,4-Dichlorophenol	150	U	150	23
105-67-9	2,4-Dimethylphenol	360	U	360	16
51-28-5	2,4-Dinitrophenol	290	U	290	180
121-14-2	2,4-Dinitrotoluene	73	U	73	39
606-20-2	2,6-Dinitrotoluene	73	U	73	26
91-58-7	2-Chloronaphthalene	360	U	360	17
95-57-8	2-Chlorophenol	360	U	360	13
91-57-6	2-Methylnaphthalene	360	U	360	10
95-48-7	2-Methylphenol	360	U	360	14
88-74-4	2-Nitroaniline	360	~~U~~ UJ	360	14
88-75-5	2-Nitrophenol	360	U	360	36
91-94-1	3,3'-Dichlorobenzidine	150	U	150	55
99-09-2	3-Nitroaniline	360	U	360	41
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	59
101-55-3	4-Bromophenyl phenyl ether	360	U	360	14
59-50-7	4-Chloro-3-methylphenol	360	U	360	20
106-47-8	4-Chloroaniline	360	U	360	25
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	13
106-44-5	4-Methylphenol	360	U	360	23
100-01-6	4-Nitroaniline	360	U	360	42
100-02-7	4-Nitrophenol	730	U	730	59
83-32-9	Acenaphthene	360	U	360	26
208-96-8	Acenaphthylene	12	J	360	3.7
98-86-2	Acetophenone	360	U	360	18
120-12-7	Anthracene	360	U	360	11
1912-24-9	Atrazine	150	U	150	9.1
100-52-7	Benzaldehyde	360	U	360	16
56-55-3	Benzo[a]anthracene	13	J	36	13
50-32-8	Benzo[a]pyrene	11	J	36	9.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

2

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-04 (02262020) Lab Sample ID: 460-203777-2

Matrix: Solid Lab File ID: f446683.D

Analysis Method: 8270D Date Collected: 02/26/2020 09:15

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:45

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 8.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	61		36	9.4
191-24-2	Benzo[g,h,i]perylene	360	U	360	11
207-08-9	Benzo[k]fluoranthene	28	J	36	7.1
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	28
111-44-4	Bis(2-chloroethyl)ether	36	U	36	13
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	19
85-68-7	Butyl benzyl phthalate	360	U UJ	360	17
105-60-2	Caprolactam	360	U	360	56
86-74-8	Carbazole	360	U	360	14
218-01-9	Chrysene	37	J	360	6.1
53-70-3	Dibenz(a,h)anthracene	36	U	36	16
132-64-9	Dibenzofuran	360	U	360	5.1
84-66-2	Diethyl phthalate	360	U	360	5.3
131-11-3	Dimethyl phthalate	360	U	360	82
84-74-2	Di-n-butyl phthalate	360	U	360	64
117-84-0	Di-n-octyl phthalate	360	U	360	19
206-44-0	Fluoranthene	30	J	360	13
86-73-7	Fluorene	360	U	360	4.9
118-74-1	Hexachlorobenzene	36	U	36	17
87-68-3	Hexachlorobutadiene	73	U	73	7.7
77-47-4	Hexachlorocyclopentadiene	360	U	360	32
67-72-1	Hexachloroethane	36	U	36	12
193-39-5	Indeno[1,2,3-cd]pyrene	47		36	14
78-59-1	Isophorone	150	U	150	100
91-20-3	Naphthalene	46	J	360	6.3
98-95-3	Nitrobenzene	36	U	36	8.7
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	26
86-30-6	N-Nitrosodiphenylamine	360	U	360	6.9
87-86-5	Pentachlorophenol	290	U	290	74
85-01-8	Phenanthrene	360	U	360	6.4
108-95-2	Phenol	360	U	360	13
129-00-0	Pyrene	16	J	360	9.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-05 (02262020) Lab Sample ID: 460-203777-3

Matrix: Solid Lab File ID: f446682.D

Analysis Method: 8270D Date Collected: 02/26/2020 09:30

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:27

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	360	U	360	4.8
108-60-1	2,2'-oxybis(1-chloropropane)	360	U	360	6.6
95-95-4	2,4,5-Trichlorophenol	360	U	360	37
88-06-2	2,4,6-Trichlorophenol	150	U	150	47
120-83-2	2,4-Dichlorophenol	150	U	150	23
105-67-9	2,4-Dimethylphenol	360	U	360	16
51-28-5	2,4-Dinitrophenol	290	U	290	180
121-14-2	2,4-Dinitrotoluene	74	U	74	39
606-20-2	2,6-Dinitrotoluene	74	U	74	26
91-58-7	2-Chloronaphthalene	360	U	360	17
95-57-8	2-Chlorophenol	360	U	360	13
91-57-6	2-Methylnaphthalene	360	U	360	10
95-48-7	2-Methylphenol	360	U	360	14
88-74-4	2-Nitroaniline	360	~~U~~ UJ	360	14
88-75-5	2-Nitrophenol	360	U	360	36
91-94-1	3,3'-Dichlorobenzidine	150	U	150	55
99-09-2	3-Nitroaniline	360	U	360	41
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	59
101-55-3	4-Bromophenyl phenyl ether	360	U	360	14
59-50-7	4-Chloro-3-methylphenol	360	U	360	20
106-47-8	4-Chloroaniline	360	U	360	25
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	13
106-44-5	4-Methylphenol	360	U	360	23
100-01-6	4-Nitroaniline	360	U	360	42
100-02-7	4-Nitrophenol	740	U	740	59
83-32-9	Acenaphthene	360	U	360	27
208-96-8	Acenaphthylene	360	U	360	3.8
98-86-2	Acetophenone	360	U	360	18
120-12-7	Anthracene	360	U	360	11
1912-24-9	Atrazine	150	U	150	9.2
100-52-7	Benzaldehyde	360	U	360	16
56-55-3	Benzo[a]anthracene	32	J	36	13
50-32-8	Benzo[a]pyrene	30	J	36	9.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

3

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-05 (02262020) Lab Sample ID: 460-203777-3

Matrix: Solid Lab File ID: f446682.D

Analysis Method: 8270D Date Collected: 02/26/2020 09:30

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:27

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	48		36	9.4
191-24-2	Benzo[g,h,i]perylene	170	J	360	11
207-08-9	Benzo[k]fluoranthene	15	J	36	7.1
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	28
111-44-4	Bis(2-chloroethyl)ether	36	U	36	13
117-81-7	Bis(2-ethylhexyl) phthalate	360	U	360	19
85-68-7	Butyl benzyl phthalate	360	U UJ	360	17
105-60-2	Caprolactam	360	U	360	57
86-74-8	Carbazole	360	U	360	14
218-01-9	Chrysene	36	J	360	6.2
53-70-3	Dibenz(a,h)anthracene	33	J	36	16
132-64-9	Dibenzofuran	360	U	360	5.1
84-66-2	Diethyl phthalate	360	U	360	5.3
131-11-3	Dimethyl phthalate	360	U	360	83
84-74-2	Di-n-butyl phthalate	360	U	360	64
117-84-0	Di-n-octyl phthalate	360	U	360	19
206-44-0	Fluoranthene	33	J	360	13
86-73-7	Fluorene	360	U	360	4.9
118-74-1	Hexachlorobenzene	36	U	36	17
87-68-3	Hexachlorobutadiene	74	U	74	7.8
77-47-4	Hexachlorocyclopentadiene	360	U	360	32
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	160		36	14
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	320	J	360	6.3
98-95-3	Nitrobenzene	36	U	36	8.7
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	26
86-30-6	N-Nitrosodiphenylamine	360	U	360	7.0
87-86-5	Pentachlorophenol	290	U	290	75
85-01-8	Phenanthrene	20	J	360	6.4
108-95-2	Phenol	360	U	360	13
129-00-0	Pyrene	29	J	360	9.1

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-06 (02262020) Lab Sample ID: 460-203777-4

Matrix: Solid Lab File ID: f446681.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:00

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 11.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	370	U	370	5.0
108-60-1	2,2'-oxybis(1-chloropropane)	370	U	370	6.8
95-95-4	2,4,5-Trichlorophenol	370	U	370	38
88-06-2	2,4,6-Trichlorophenol	150	U	150	48
120-83-2	2,4-Dichlorophenol	150	U	150	24
105-67-9	2,4-Dimethylphenol	370	U	370	16
51-28-5	2,4-Dinitrophenol	300	U	300	180
121-14-2	2,4-Dinitrotoluene	76	U	76	40
606-20-2	2,6-Dinitrotoluene	76	U	76	27
91-58-7	2-Chloronaphthalene	370	U	370	17
95-57-8	2-Chlorophenol	370	U	370	13
91-57-6	2-Methylnaphthalene	26	J	370	10
95-48-7	2-Methylphenol	370	U	370	14
88-74-4	2-Nitroaniline	370	~~U~~ UJ	370	14
88-75-5	2-Nitrophenol	370	U	370	38
91-94-1	3,3'-Dichlorobenzidine	150	U	150	57
99-09-2	3-Nitroaniline	370	U	370	42
534-52-1	4,6-Dinitro-2-methylphenol	300	U	300	61
101-55-3	4-Bromophenyl phenyl ether	370	U	370	15
59-50-7	4-Chloro-3-methylphenol	370	U	370	21
106-47-8	4-Chloroaniline	370	U	370	26
7005-72-3	4-Chlorophenyl phenyl ether	370	U	370	13
106-44-5	4-Methylphenol	370	U	370	23
100-01-6	4-Nitroaniline	370	U	370	43
100-02-7	4-Nitrophenol	760	U	760	61
83-32-9	Acenaphthene	68	J	370	27
208-96-8	Acenaphthylene	60	J	370	3.9
98-86-2	Acetophenone	370	U	370	18
120-12-7	Anthracene	440		370	11
1912-24-9	Atrazine	150	U	150	9.5
100-52-7	Benzaldehyde	370	U	370	16
56-55-3	Benzo[a]anthracene	2400		37	13
50-32-8	Benzo[a]pyrene	1800		37	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

4

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-06 (02262020) Lab Sample ID: 460-203777-4

Matrix: Solid Lab File ID: f446681.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:00

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 09:10

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 11.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	2700		37	9.7
191-24-2	Benzo[g,h,i]perylene	560		370	11
207-08-9	Benzo[k]fluoranthene	900		37	7.4
111-91-1	Bis(2-chloroethoxy)methane	370	U	370	29
111-44-4	Bis(2-chloroethyl)ether	37	U	37	13
117-81-7	Bis(2-ethylhexyl) phthalate	140	J	370	20
85-68-7	Butyl benzyl phthalate	370	U UJ	370	18
105-60-2	Caprolactam	370	U	370	58
86-74-8	Carbazole	34	J	370	14
218-01-9	Chrysene	2100		370	6.3
53-70-3	Dibenz(a,h)anthracene	180		37	16
132-64-9	Dibenzofuran	41	J	370	5.3
84-66-2	Diethyl phthalate	370	U	370	5.4
131-11-3	Dimethyl phthalate	370	U	370	85
84-74-2	Di-n-butyl phthalate	370	U	370	66
117-84-0	Di-n-octyl phthalate	370	U	370	20
206-44-0	Fluoranthene	4200		370	13
86-73-7	Fluorene	94	J	370	5.1
118-74-1	Hexachlorobenzene	37	U	37	18
87-68-3	Hexachlorobutadiene	76	U	76	8.0
77-47-4	Hexachlorocyclopentadiene	370	U	370	33
67-72-1	Hexachloroethane	37	U	37	13
193-39-5	Indeno[1,2,3-cd]pyrene	880		37	15
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	1700		370	6.5
98-95-3	Nitrobenzene	37	U	37	9.0
621-64-7	N-Nitrosodi-n-propylamine	37	U	37	27
86-30-6	N-Nitrosodiphenylamine	370	U	370	7.2
87-86-5	Pentachlorophenol	300	U	300	77
85-01-8	Phenanthrene	1600		370	6.6
108-95-2	Phenol	370	U	370	14
129-00-0	Pyrene	3800		370	9.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-07 (02262020) Lab Sample ID: 460-203777-5

Matrix: Solid Lab File ID: f446680.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:15

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 08:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 12.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	380	U	380	5.0
108-60-1	2,2'-oxybis(1-chloropropane)	380	U	380	6.8
95-95-4	2,4,5-Trichlorophenol	380	U	380	38
88-06-2	2,4,6-Trichlorophenol	150	U	150	48
120-83-2	2,4-Dichlorophenol	150	U	150	24
105-67-9	2,4-Dimethylphenol	380	U	380	17
51-28-5	2,4-Dinitrophenol	300	U	300	190
121-14-2	2,4-Dinitrotoluene	76	U	76	41
606-20-2	2,6-Dinitrotoluene	76	U	76	27
91-58-7	2-Chloronaphthalene	380	U	380	17
95-57-8	2-Chlorophenol	380	U	380	13
91-57-6	2-Methylnaphthalene	380	U	380	11
95-48-7	2-Methylphenol	380	U	380	14
88-74-4	2-Nitroaniline	380	~~U~~ UJ	380	14
88-75-5	2-Nitrophenol	380	U	380	38
91-94-1	3,3'-Dichlorobenzidine	150	U	150	57
99-09-2	3-Nitroaniline	380	U	380	42
534-52-1	4,6-Dinitro-2-methylphenol	300	U	300	61
101-55-3	4-Bromophenyl phenyl ether	380	U	380	15
59-50-7	4-Chloro-3-methylphenol	380	U	380	21
106-47-8	4-Chloroaniline	380	U	380	26
7005-72-3	4-Chlorophenyl phenyl ether	380	U	380	13
106-44-5	4-Methylphenol	380	U	380	24
100-01-6	4-Nitroaniline	380	U	380	43
100-02-7	4-Nitrophenol	760	U	760	61
83-32-9	Acenaphthene	380	U	380	27
208-96-8	Acenaphthylene	18	J	380	3.9
98-86-2	Acetophenone	380	U	380	19
120-12-7	Anthracene	380	U	380	11
1912-24-9	Atrazine	150	U	150	9.5
100-52-7	Benzaldehyde	380	U	380	16
56-55-3	Benzo[a]anthracene	28	J	38	13
50-32-8	Benzo[a]pyrene	14	J	38	10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

5

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-07 (02262020) Lab Sample ID: 460-203777-5

Matrix: Solid Lab File ID: f446680.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:15

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 08:53

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 12.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	69		38	9.8
191-24-2	Benzo[g,h,i]perylene	44	J	380	11
207-08-9	Benzo[k]fluoranthene	22	J	38	7.4
111-91-1	Bis(2-chloroethoxy)methane	380	U	380	29
111-44-4	Bis(2-chloroethyl)ether	38	U	38	13
117-81-7	Bis(2-ethylhexyl) phthalate	54	J	380	20
85-68-7	Butyl benzyl phthalate	380	U UJ	380	18
105-60-2	Caprolactam	380	U	380	59
86-74-8	Carbazole	380	U	380	14
218-01-9	Chrysene	37	J	380	6.4
53-70-3	Dibenz(a,h)anthracene	38	U	38	16
132-64-9	Dibenzofuran	380	U	380	5.3
84-66-2	Diethyl phthalate	380	U	380	5.5
131-11-3	Dimethyl phthalate	380	U	380	86
84-74-2	Di-n-butyl phthalate	380	U	380	67
117-84-0	Di-n-octyl phthalate	380	U	380	20
206-44-0	Fluoranthene	28	J	380	13
86-73-7	Fluorene	380	U	380	5.1
118-74-1	Hexachlorobenzene	38	U	38	18
87-68-3	Hexachlorobutadiene	76	U	76	8.0
77-47-4	Hexachlorocyclopentadiene	380	U	380	33
67-72-1	Hexachloroethane	38	U	38	13
193-39-5	Indeno[1,2,3-cd]pyrene	50		38	15
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	210	J	380	6.5
98-95-3	Nitrobenzene	38	U	38	9.1
621-64-7	N-Nitrosodi-n-propylamine	38	U	38	27
86-30-6	N-Nitrosodiphenylamine	380	U	380	7.2
87-86-5	Pentachlorophenol	300	U	300	77
85-01-8	Phenanthrene	18	J	380	6.6
108-95-2	Phenol	380	U	380	14
129-00-0	Pyrene	28	J	380	9.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-08 (02262020) Lab Sample ID: 460-203777-6

Matrix: Solid Lab File ID: f446679.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:30

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 08:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	360	U	360	4.8
108-60-1	2,2'-oxybis(1-chloropropane)	360	U	360	6.6
95-95-4	2,4,5-Trichlorophenol	360	U	360	37
88-06-2	2,4,6-Trichlorophenol	150	U	150	47
120-83-2	2,4-Dichlorophenol	150	U	150	23
105-67-9	2,4-Dimethylphenol	360	U	360	16
51-28-5	2,4-Dinitrophenol	290	U	290	180
121-14-2	2,4-Dinitrotoluene	74	U	74	39
606-20-2	2,6-Dinitrotoluene	74	U	74	26
91-58-7	2-Chloronaphthalene	360	U	360	17
95-57-8	2-Chlorophenol	360	U	360	13
91-57-6	2-Methylnaphthalene	17	J	360	10
95-48-7	2-Methylphenol	360	U	360	14
88-74-4	2-Nitroaniline	360	~~U~~ UJ	360	14
88-75-5	2-Nitrophenol	360	U	360	36
91-94-1	3,3'-Dichlorobenzidine	150	U	150	55
99-09-2	3-Nitroaniline	360	U	360	41
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	59
101-55-3	4-Bromophenyl phenyl ether	360	U	360	14
59-50-7	4-Chloro-3-methylphenol	360	U	360	20
106-47-8	4-Chloroaniline	360	U	360	25
7005-72-3	4-Chlorophenyl phenyl ether	360	U	360	13
106-44-5	4-Methylphenol	360	U	360	23
100-01-6	4-Nitroaniline	360	U	360	42
100-02-7	4-Nitrophenol	740	U	740	59
83-32-9	Acenaphthene	360	U	360	27
208-96-8	Acenaphthylene	23	J	360	3.8
98-86-2	Acetophenone	360	U	360	18
120-12-7	Anthracene	28	J	360	11
1912-24-9	Atrazine	150	U	150	9.2
100-52-7	Benzaldehyde	360	U	360	16
56-55-3	Benzo[a]anthracene	95		36	13
50-32-8	Benzo[a]pyrene	56		36	9.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

6

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-203777-1

SDG No.:

Client Sample ID: JS-Culvert-EP-08 (02262020) Lab Sample ID: 460-203777-6

Matrix: Solid Lab File ID: f446679.D

Analysis Method: 8270D Date Collected: 02/26/2020 12:30

Extract. Method: 3546 Date Extracted: 02/28/2020 17:07

Sample wt/vol: 15.00(g) Date Analyzed: 02/29/2020 08:35

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) Level: (low/med) Low

% Moisture: 9.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 678092 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	150		36	9.4
191-24-2	Benzo[g,h,i]perylene	55	J	360	11
207-08-9	Benzo[k]fluoranthene	49		36	7.1
111-91-1	Bis(2-chloroethoxy)methane	360	U	360	28
111-44-4	Bis(2-chloroethyl)ether	36	U	36	13
117-81-7	Bis(2-ethylhexyl) phthalate	53	J	360	19
85-68-7	Butyl benzyl phthalate	360	U UJ	360	17
105-60-2	Caprolactam	360	U	360	57
86-74-8	Carbazole	360	U	360	14
218-01-9	Chrysene	100	J	360	6.2
53-70-3	Dibenz(a,h)anthracene	17	J	36	16
132-64-9	Dibenzofuran	360	U	360	5.1
84-66-2	Diethyl phthalate	360	U	360	5.3
131-11-3	Dimethyl phthalate	360	U	360	83
84-74-2	Di-n-butyl phthalate	360	U	360	64
117-84-0	Di-n-octyl phthalate	360	U	360	19
206-44-0	Fluoranthene	130	J	360	13
86-73-7	Fluorene	11	J	360	4.9
118-74-1	Hexachlorobenzene	36	U	36	17
87-68-3	Hexachlorobutadiene	74	U	74	7.8
77-47-4	Hexachlorocyclopentadiene	360	U	360	32
67-72-1	Hexachloroethane	36	U	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	75		36	14
78-59-1	Isophorone	150	U	150	110
91-20-3	Naphthalene	1200		360	6.3
98-95-3	Nitrobenzene	36	U	36	8.7
621-64-7	N-Nitrosodi-n-propylamine	36	U	36	26
86-30-6	N-Nitrosodiphenylamine	360	U	360	7.0
87-86-5	Pentachlorophenol	290	U	290	75
85-01-8	Phenanthrene	75	J	360	6.4
108-95-2	Phenol	360	U	360	13
129-00-0	Pyrene	130	J	360	9.1

APPENDIX B GEOPHYSICAL REPORT FROM NEW YORK LEAK DETECTION

NYLD **Infrastructure**

NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Date(s) on site: 2-3-20

Technician: Steve Carney **Other Technicians on site:**

Customer: ERM Consulting & Engineering, Inc.

Site Address: Hoosick Falls, NY

Contact Person: Tim Daniluk **Phone:** 315-317-2044

Scope of Work: Clear utilities for the area highlighted below

Type of Service: *mark all that apply*

☐ *Leak Detection*	☐ *Comprehensive Leak Survey*	☐ *Pressurized Pipe Inspection*
☐ *Infrastructure Assessment*	☒ *Utility Location/GPR*	☐ *Utility Mapping/AutoCAD*
☐ *EM Survey*	☐ *Video Inspection*	☐ *Valve Exercising*

Type of Equipment Used: *mark all that apply*

☐ *Profiler EMP 400*	☒ *RD8000 Pipe & Cable Locator*	☐ *MetroTech vLocPro2*
☐ *LC2500 Leak Correlator*	☒ *Noggin 250 MHz*	☐ *PosiTector UTG G3*
☐ *S-30 Surveyor*	☐ *Noggin 500 MHz*	☒ *Video Inspection Camera*
☒ *Sonde / Locatable Rodder*	☐ *Conquest 1000 MHz*	☐ *Helium # Bottles*
☐ *Leica Robotic Total Station*	☐ *Leica RTK GPS*	☐ *JD7 Investigator*
☐ *Valve Maintenance Trailer*	☐ *Thermal Imaging Camera*	☐ *ZCorr Data Loggers*

Marking Used: *mark all that apply*

☒ *Paint*	☐ *Flags*	☐ *Chalk/Marker*
☐ *Tape*	☐ *Updated Onsite Mapping*	☐ *Other _____*

NYLD **Infrastructure**

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PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location

Site Access/Safety Training: N/A **Expiration Date:** N/A

Ground Cover/Weather Conditions: Overcast / 30's

Instructions from Onsite Contact: Clear utilities for the area highlighted below

Information Transfer:

☒ *Information relayed on site to:*

Tim Daniluk

In addition to this field report, mark all that apply:

☐ *Hand drawn sketch*

☐ *Maps updated onsite*

☐ *Photographs*

☐ *Surveyed by others*

☐ *Surveyed and AutoCAD Mapping by NYLD*

Notes/Testing Results:

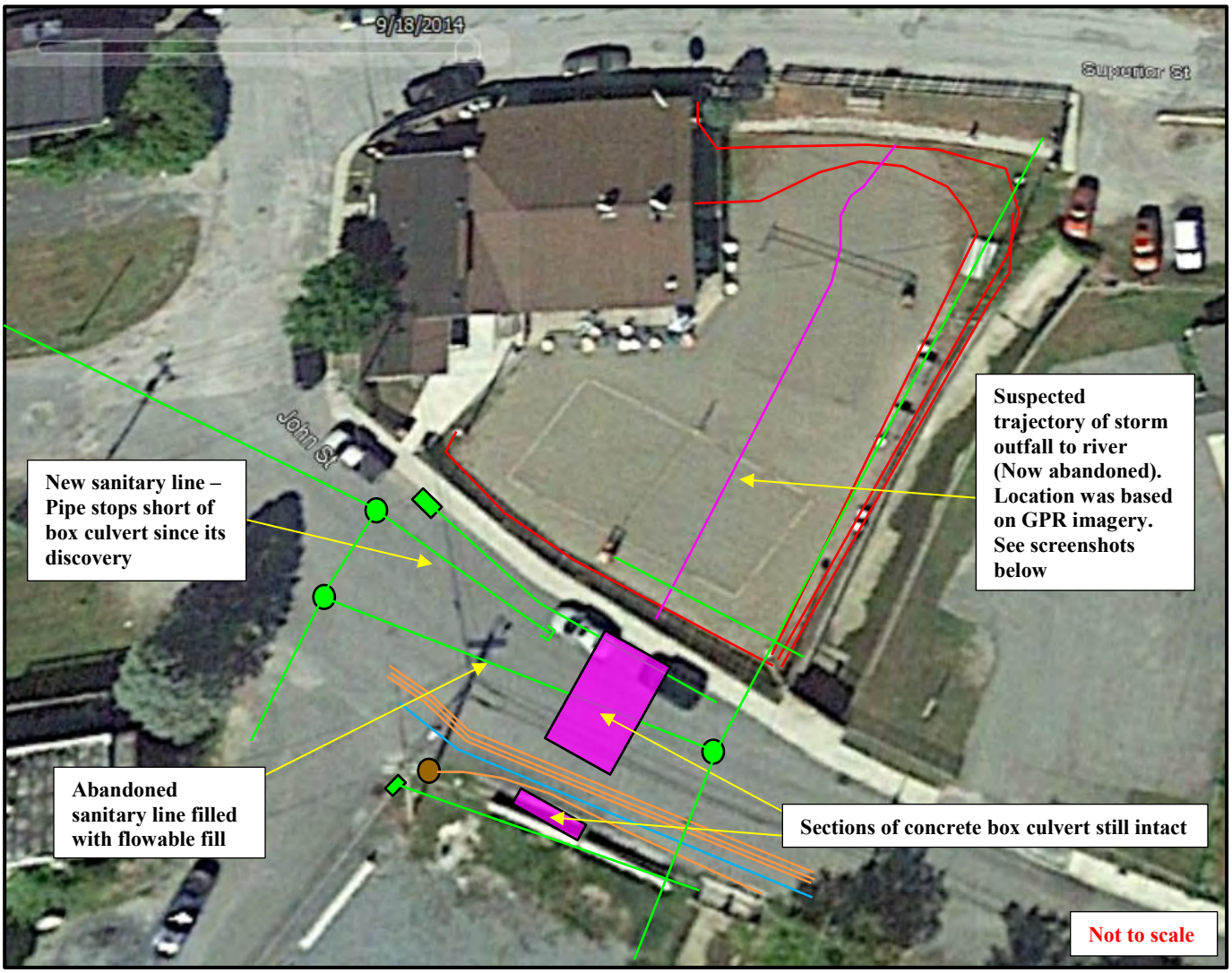
A visual inspection was performed in the area of concern to assess for utility structures. Utilizing the RD8000 in conductive, inductive, and power/radio modes, located and marked out utilities as shown in the area below. Sonde/Locatable Rodder was used within applicable utilities. Additional confirmation performed with the Noggin using the 250 and/or 500 MHz antenna. GPR signal reception varies depending upon soil conditions. Therefore, it is utilized in combination with various other geophysical tools for the most accurate verification of known/unknown utilities and/or structures.
Utilities were painted in appropriate color, depths provided where possible.

This report is back up to information relayed and marked on site at time of service. It is for informational purposes only.

NYLD Infrastructure

NEW YORK LEAK DETECTION, INC.
PO Box 269, Jamesville, NY 13078
315-469-4601 info@nyld.com

Field Report – Utility Location



Blue	Water
Red	Power
Orange	Communications
Yellow	Gas/Flammable Fuel
White	Unknown
Green	Storm/Sanitary
●	Utility pole

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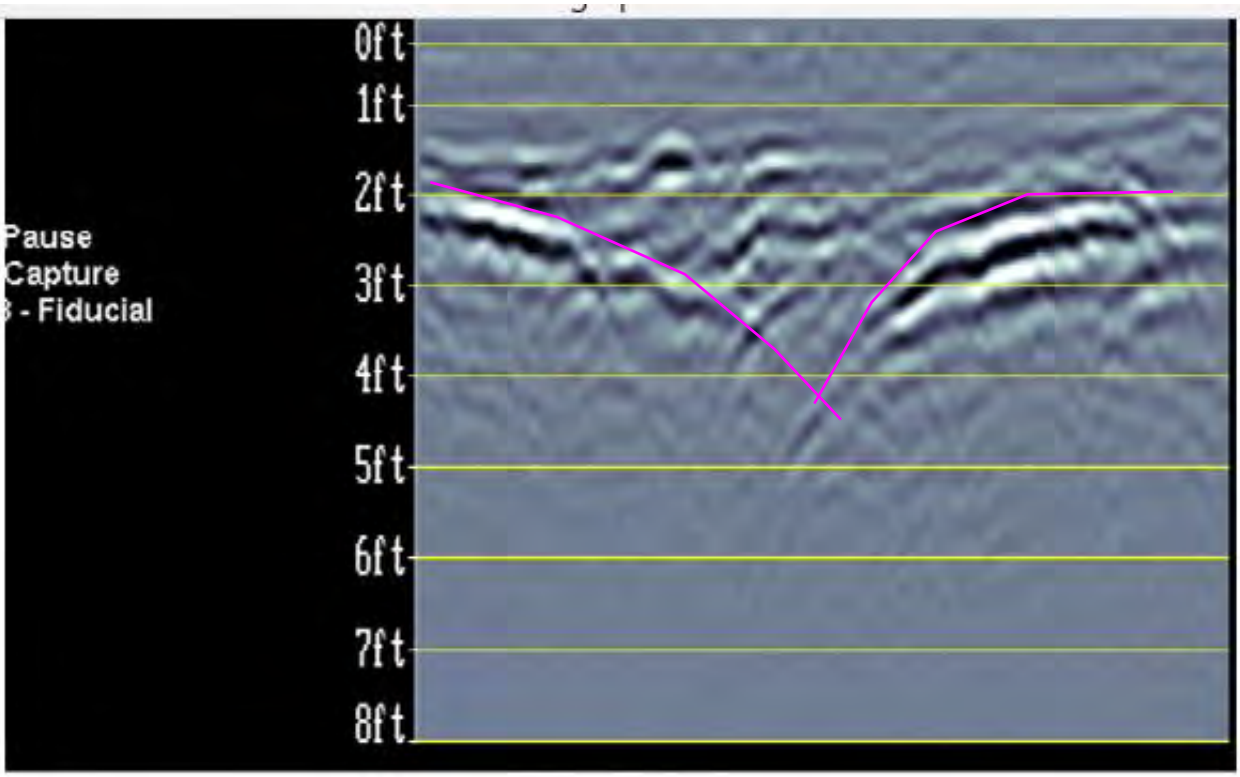
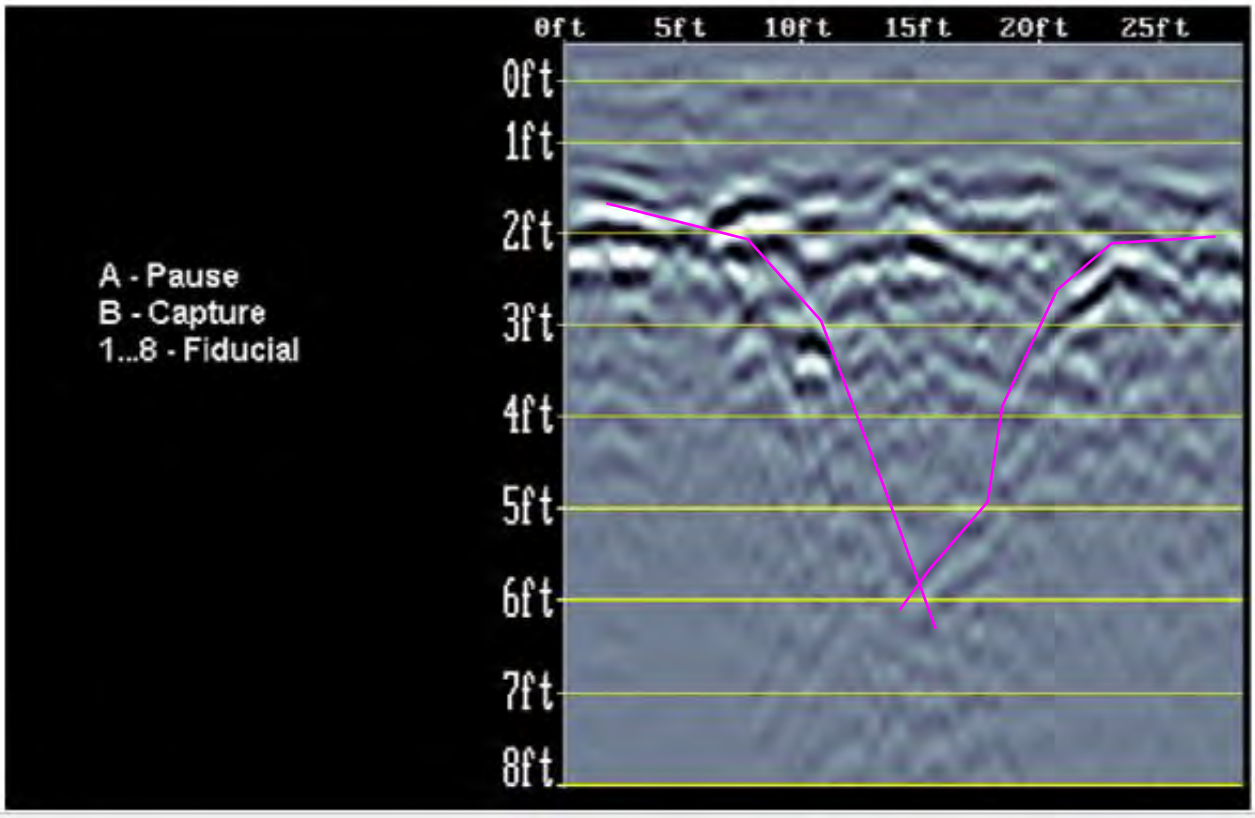
Field Report – Utility Location

GPR imagery on Sand bar property of abandoned storm outfall to river





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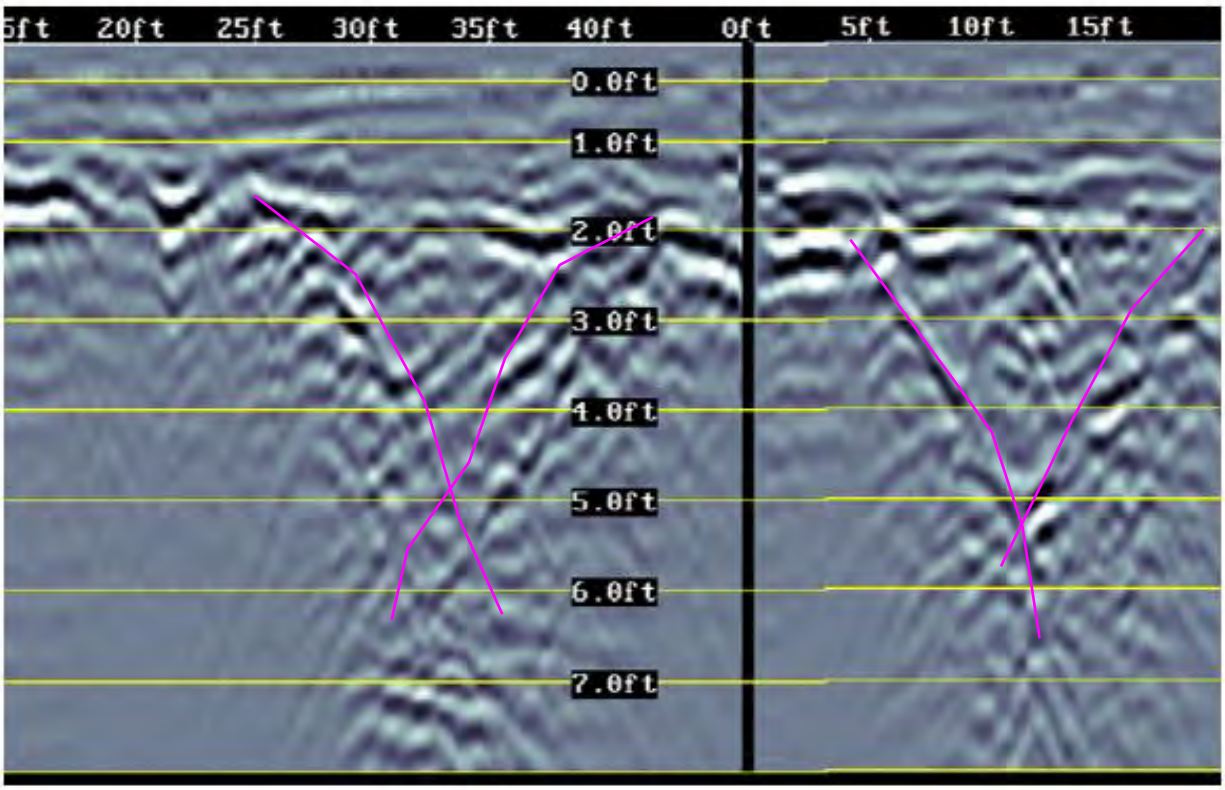
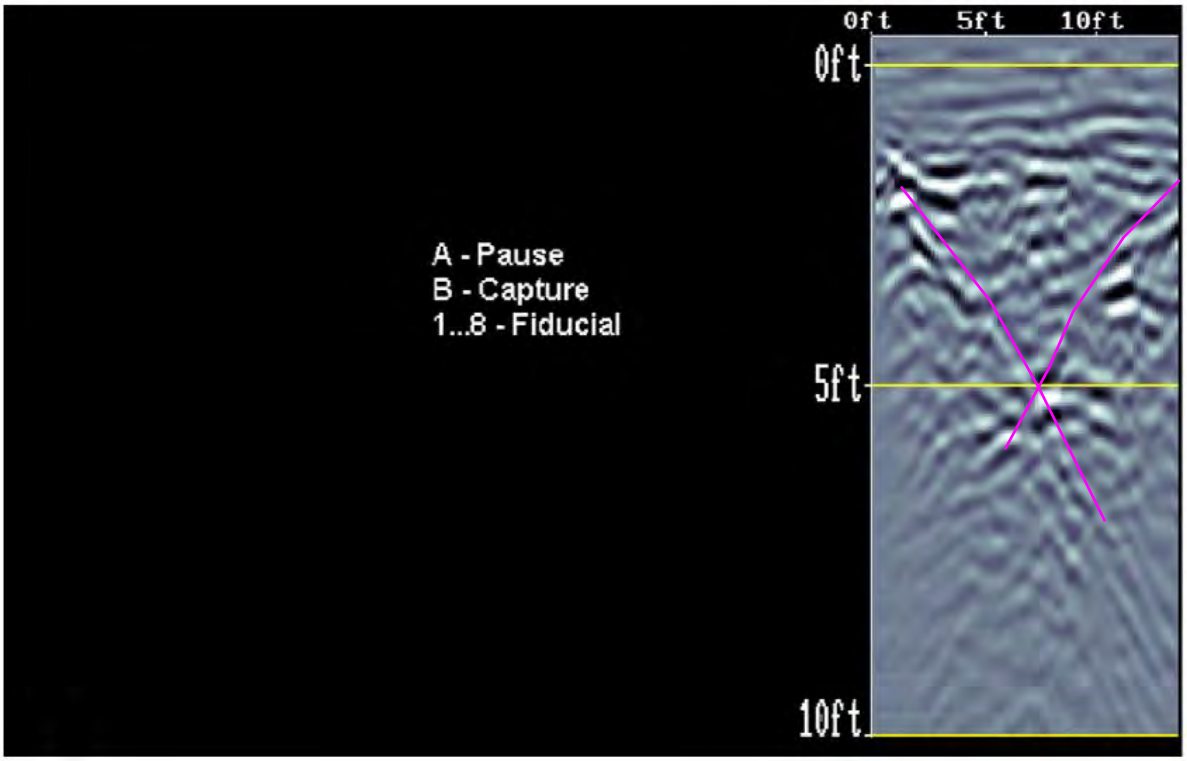
Field Report – Utility Location





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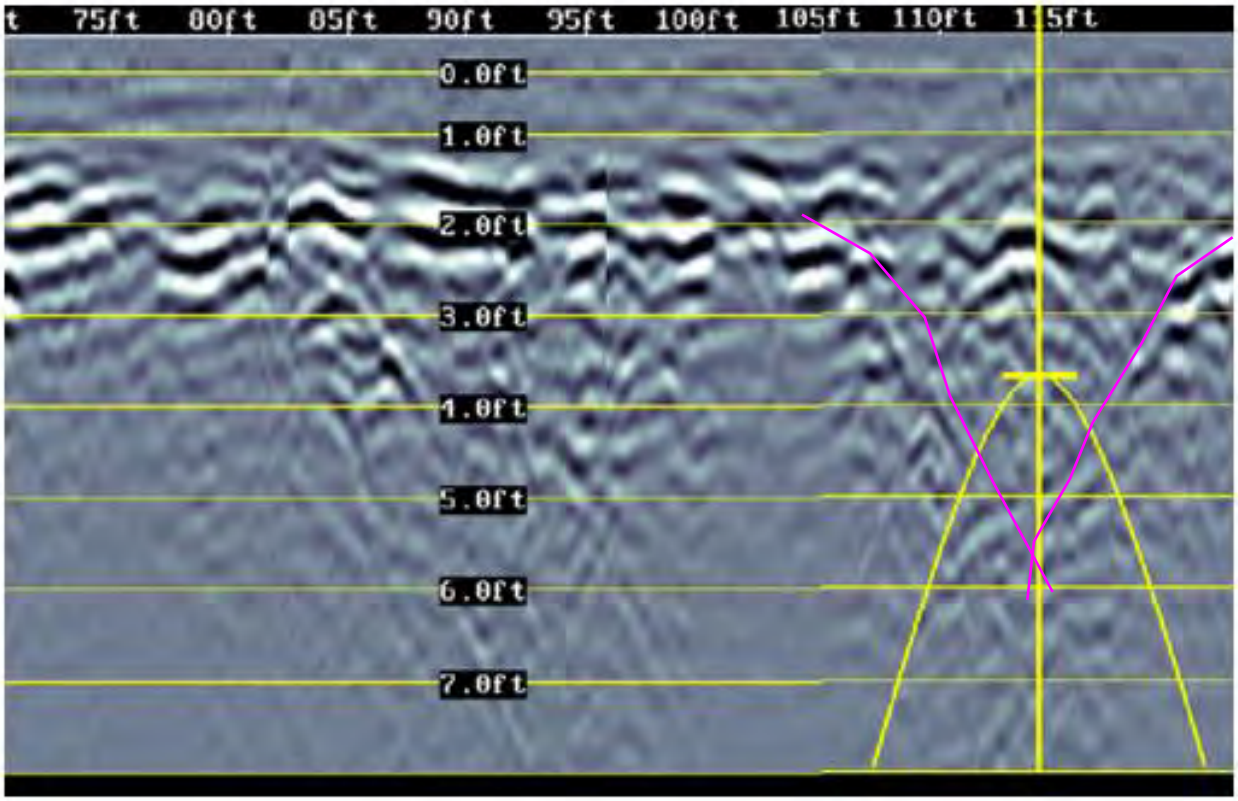
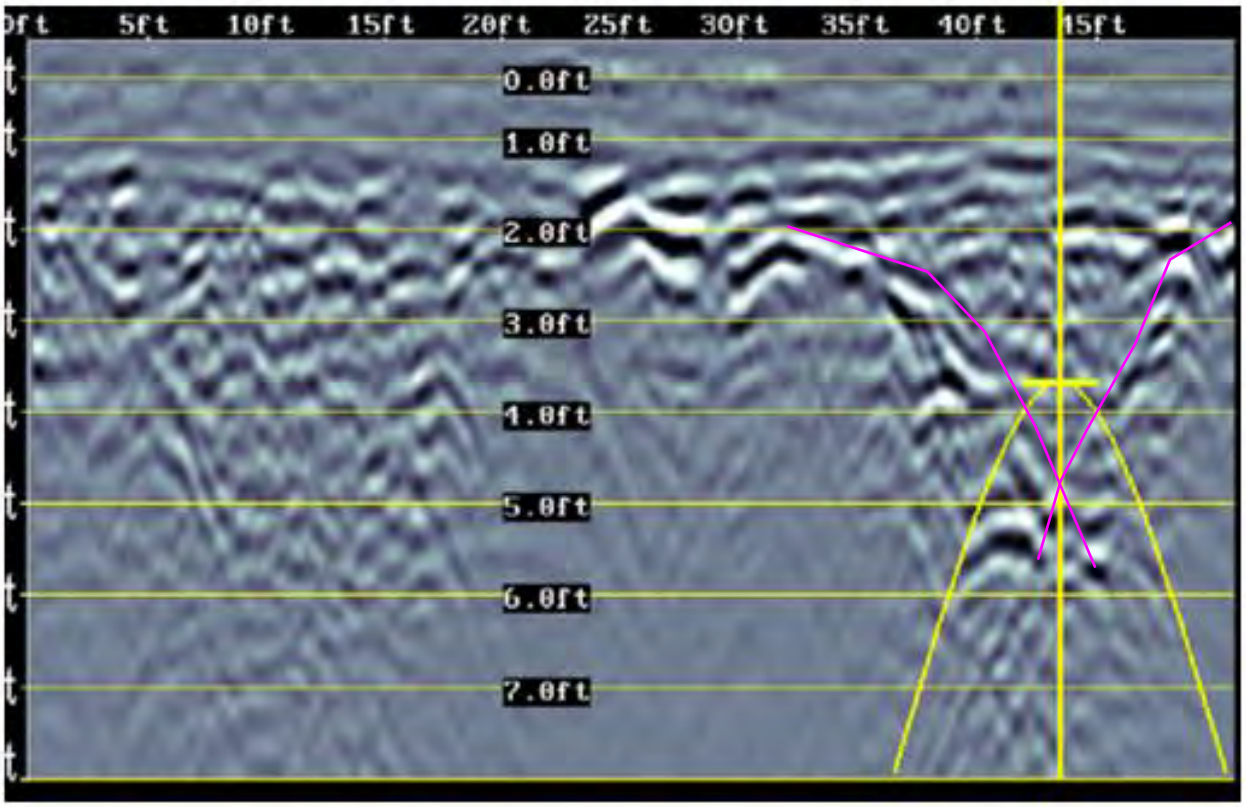
Field Report – Utility Location





NYLD **Infrastructure**

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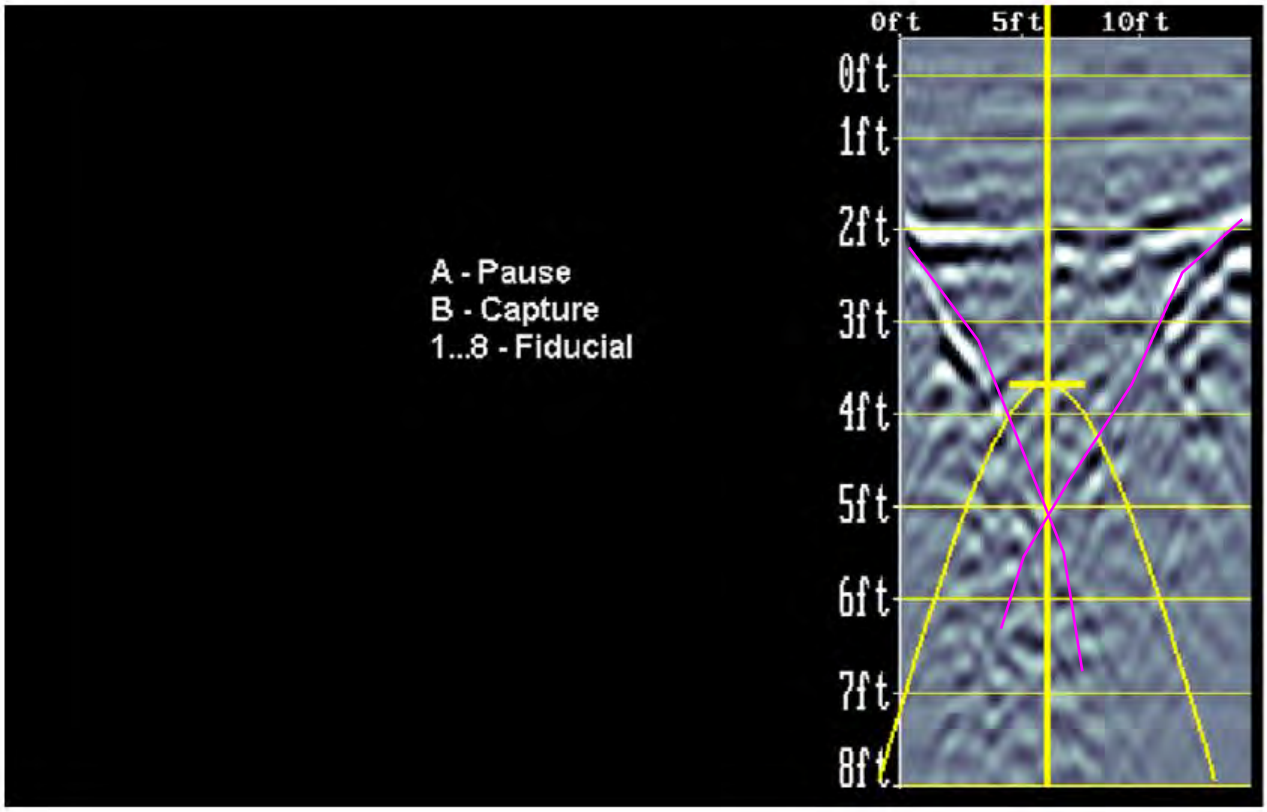
Field Report – Utility Location



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Field Report – Utility Location

Subsurface Limitations

Utility locating is the art and science of using non-intrusive methods to search for, find and mark out buried, unseen conduits or other objects. There are innumerable variables involved in locating underground utilities, such as topography, size and complexity of job site, depth and proximity of buried utilities, above ground obstructions, short turnaround schedules, changes in the scope of work, lack of (or outdated) blueprints and adverse weather conditions.

New York Leak Detection, Inc. (NYLD) has made a substantial financial investment in crossover technologies and training to meet our clients' needs when locating and mapping utilities. However, due to unpredictable factors that may affect the results, NYLD makes no guarantee, expressed or implied, with respect to the completeness or accuracy of the information provided. Any use or reliance on the information or opinion is at the risk of the user and NYLD shall not be liable for any damage or injury arising out of the use or misuse of the information provided.

NYLD strives to provide the highest quality utility location services possible with the technical expertise of our field specialists and state-of-the-art equipment used. Every effort is made to provide our clients with the most accurate information possible without adverse consequences.

NYLD makes no guarantee that all subsurface utilities and obstructions will be detected. GPR signal penetration might not be sufficient to detect all utilities. NYLD is not responsible for detecting subsurface utilities and obstructions that normally cannot be detected by the methods employed or that cannot be detected because of site conditions. NYLD is not responsible for maintaining mark-outs after leaving the work area. Mark-outs made in inclement weather and in high traffic areas may not last. Surveyor assumes responsibility of picking up data on site.

APPENDIX C SOIL BORING LOGS

ERM
105 Maxess Road; Suite 316
Melville, New York 11747
Telephone: +1 (631) 756-8900

OS-SCB-001

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/3/2020
DATE COMPLETED: 2/3/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799511.4701
EASTING: 1484322.088
TOTAL DEPTH: 26.2 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
- Vacuum Clearance/ Hand Auger
- Direct Push

GRAPHIC LOG LEGEND
- Poorly-graded Sand
- Poorly-graded Sandy Gravel
- Poorly-graded Gravelly Sand
- Poorly-graded Gravel with Silt

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		VC/HA				SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA							0.0
								2.0	
2.5	427.5	VC/HA		60	100				0.0
		VC/HA				SP		Brown, COARSE SAND, few subrounded to subangular gravel, (0.5" diameter), poorly sorted, loose, damp.	0.0
		VC/HA							0.0
5.0	425.0							5.0	
		DP				GP		Brown, GRAVEL, and subrounded coarse sand, (0.5-1.5" diameter), quartz vein, rock lenses, poorly sorted, loose, damp.	0.0
				16	44				0.3
7.5	422.5							7.0	
						SP		Dark Brown To Light Brown, COARSE SAND, little silt, loose, moist.	0.2
									0.2
								9.0	
10.0	420.0	DP	OS-SCB-001 (9-11) (02032020) for VOCs and SVOCs	28	58				0.2
									0.1
						SP		Brown, COARSE SAND, with subangular and subrounded gravel, (0.5-1" diameter), brick, glass, and quartz fragments, poorly sorted, loose, damp.	0.1
12.5	417.5								0.1
		DP		26	54			14.0	
						SP		Brown, SANDY GRAVEL, subrounded to subangular (0.5-2" diameter), poorly sorted, loose, wet.	
15.0	415.0								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			OS-SCB-001 (14-16) (02032020) for VOCs and SVOCs						0.1
									0.2
17.5	412.5	DP		3	6	SP		Brown, SANDY GRAVEL, subrounded to subangular (0.5-2" diameter), poorly sorted, loose, wet. *(continued)*	0.2
20.0	410.0							20.0	
		DP		20	42	SP		Brown, FINE TO MEDIUM SAND, and subrounded to subangular gravel, (0.5" diameter), interbedded layers of dense fine sand and sandy gravel, moderately sorted, loose to medium dense, saturated.	0.5
22.5	407.5								0.5
								24.0	
25.0	405.0	DP	OS-SCB-001 (24-26.2) (02032020) for VOCs and SVOCs	16	61	GP-GM		Gray, GRAVEL, interbedded subangular silt, (0.5-1" diameter), poorly sorted, loose, wet.	0.0
								26.2	
27.5	402.5							*Bottom of Boring @ 26.2 feet bgs*	
30.0	400.0								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-002

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/3/2020
DATE COMPLETED: 2/3/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799508.7299
EASTING: 1484302.384
TOTAL DEPTH: 24 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance/ Hand Auger
Direct Push

GRAPHIC LOG LEGEND
Poorly-graded Sand
Boulders and Cobbles
Poorly-graded Gravelly Sand

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		VC/HA				SP		Brown, FINE SAND, mesh sheet at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		1.0 Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), some orange mottling and quartz fragments, poorly sorted, loose, damp.	0.0
		VC/HA		60	100	SP		2.0 Dark Brown, COBBLES, and subrounded medium to coarse sand, few boulders (6" diameter), poorly sorted/ well graded, loose, damp.	0.0
		VC/HA						4.0	0.0
5	425	VC/HA				SP		Dark Brown To Gray, COARSE SAND, and subrounded gravel, (0.5-2" diameter), 2 inch quartz fragment from 7 to 8 feet bgs, poorly sorted, loose, damp.	0.0
		DP		19	53				0.0
									0.0
								8.0	0.0
10	420	DP	OS-SCB-002 (8-10) (02032020) for VOCs and SVOCs	17	35	SP		Brown To Gray, COARSE SAND, and subrounded to subangular gravel, (0.5-2" diameter), interbedded gray gravel and coarse sand, cobbles at 12 feet bgs (3" diameter), poorly sorted, loose, damp.	0.2
									0.0
									0.0
									0.0
								13.0	0.0
		DP		44	92	SP		Brown To Gray, COARSE SAND, and subrounded gravel, (0.5-1.5" diameter), some orange mottling and quartz fragments, well graded, loose, damp.	0.0
15	415		OS-SCB-002 (14-16) (02032020) for VOCs and SVOCs					15.0	0.2
						SP		Brown, COARSE SAND, well sorted, loose, wet.	0.0
								16.0	0.0
		DP		48	100	SP		Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-2" diameter), interbedded layers of moisture, poorly sorted, loose, dry to moist.	0.0
								18.0	0.0
20	410					SP		Brown, COARSE SAND, some subangular gravel, (0.5-1.5" diameter), poorly sorted/ well graded, loose, wet.	0.0
									0.0
								21.0	1.0
		DP		48	100	SP		Brown, COARSE SAND, and subangular gravel, (0.5-2" diameter), refusal at 24 feet bgs, poorly sorted, loose, wet.	0.0
			OS-SCB-002 (22-24) (02032020) for VOCs and SVOCs						0.0
								24.0	0.0
25	405							*Bottom of Boring @ 24.0 feet bgs*	

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-003

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/4/3030
DATE COMPLETED: 2/4/3030
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799499.5002
EASTING: 1484266.297
TOTAL DEPTH: 23 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
- Vacuum Clearance/ Hand Auger
- Direct Push

GRAPHIC LOG LEGEND
- Poorly-graded Sand
- Boulders and Cobbles
- Poorly-graded Gravelly Sand
- Poorly-graded Sandy Gravel
- Poorly-graded Gravel

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		VC/HA				SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		1.0 Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), small fragment of red brick, poorly sorted, loose, damp.	0.0
2.5	427.5	VC/HA		60	100	SP		2.0 Dark Brown, COBBLES, and subrounded medium to coarse sand, few boulders (6" diameter), poorly sorted/ well graded, loose, damp.	0.0
		VC/HA							0.0
5.0	425.0	VC/HA				SP		4.0 Dark Brown, COARSE SAND, and subrounded gravel, (0.5-2" diameter), poorly sorted, loose, damp.	0.0
		DP		17	47			6.0	0.0
						GP		Dark Brown, SANDY GRAVEL, subrounded to subangular (0.5-1" diameter), poorly sorted, loose, moist.	0.0
7.5	422.5					GP		7.0 Gray, GRAVEL, subrounded (1" diameter), gneiss, loose, moist.	0.0
						SP		8.0 Dark Brown, COARSE SAND, and subrounded gravel, (0.5-1.5" diameter), poorly sorted, loose, moist.	0.0
10.0	420.0	DP		26	54	GP		9.0 Gray, GRAVEL, subrounded (1-2" diameter), gneiss, loose, dry.	0.1
12.5	417.5					SP		11.0 Dark Brown, COARSE SAND, and subrounded gravel, poorly sorted, wet.	0.0
		DP		32	67				
15.0	415.0							15.0	

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
			OS-SCB-003 (14-16) (02042020) for VOCs and SVOCs			SP		Brown, COARSE SAND, little gravel, (0.5" diameter), fining downward sequence to 16 feet bgs, black and orange coloring near 16 feet bgs, poorly sorted, cohesive, wet. *(continued)*	0.0
						SP		16.0 Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-1.5" diameter), poorly sorted, loose, wet.	
						SP		17.0 Brown, COARSE SAND, few subrounded to subangular gravel, (0.5-1" diameter), some black and orange coloring, black areas are "fibrous-like", poorly sorted.	0.1
17.5	412.5	DP	OS-SCB-003 (16-18) (02042020) for VOCs and SVOCs	36	75			18.0	
						SP		Orange, COARSE TO MEDIUM SAND, poorly sorted/ well graded, loose to medium dense, wet.	
						SP		19.0 Brown, COARSE SAND, and gravel, dark brown staining at 20 feet bgs, loose to medium dense, wet.	0.4
20.0	410.0		OS-SCB-003 (18-20) (02042020) for VOCs and SVOCs					20.0	
		DP	OS-SCB-003 (21-23) (02042020) for VOCs and SVOCs	36	100	SP		Brown, MEDIUM TO COARSE SAND, coarser-grained at 22 feet bgs, well graded, loose, very wet to saturated.	0.1
								22.0	
22.5	407.5					SP		Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-1.5" diameter), blue fragments in sand at 23 feet bgs (refusal), poorly sorted, loose, wet.	0.2
								23.0	
25.0	405.0							*Bottom of Boring @ 23.0 feet bgs*	
27.5	402.5								
30.0	400.0								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-004

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/4/2020
DATE COMPLETED: 2/4/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799487.1367
EASTING: 1484233.544
TOTAL DEPTH: 20 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance/ Hand Auger
Direct Push

GRAPHIC LOG LEGEND
Poorly-graded Sand
Boulders and Cobbles
Poorly-graded Gravelly Sand
Sandy Silt
Silt

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		VC/HA				SP		1.0 Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		2.0 Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), poorly sorted, loose, damp.	0.0
		VC/HA		60	100	SP		Dark Brown, COBBLES, and subrounded medium to coarse sand, few boulders (6" diameter), poorly sorted/ well graded, loose, damp.	0.0
		VC/HA				SP		4.0	0.0
5	425	VC/HA				SP		5.0 Dark Brown, COARSE SAND, little subrounded gravel, (0.5-2" diameter), poorly sorted, loose, damp.	0.0
		DP		15	42	SP			4.0
									0.0
10	420	DP	OS-SCB-004 (8-10) (02042020) for VOCs and SVOCs	22	46	SP		Dark Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-1" diameter), coal and brick fragments, large quartz fragment at 12 feet bgs, poorly sorted, loose, damp.	1.1
									0.0
		DP				SP		13.5	0.0
15	415	DP		38	79	ML		15.0 Gray, SANDY SILT, compact, wet, orange brown mottling.	0.9
		DP		48	100	SP		Gray, FINE SAND, little silt, interbedded red-brown and gray fine-grained sand, well sorted, compact, wet, mottling.	1.6
20	410		OS-SCB-004 (18-20) (02042020) for VOCs and SVOCs			SP		18.5	
						ML		20.0 Brown, SILT, gray clay near 20 feet bgs, firm, cohesive, wet.	0.4
25	405							*Bottom of Boring @ 20.0 feet bgs*	

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-005

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/4/2020
DATE COMPLETED: 2/4/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799473.5
EASTING: 1484217.002
TOTAL DEPTH: 20 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance/ Hand Auger
Direct Push

GRAPHIC LOG LEGEND
Poorly-graded Sand
Poorly-graded Gravelly Sand
Poorly-graded Sandy Gravel
Silty Clay

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
		VC/HA				SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA						1.0	0.0
		VC/HA							0.0
		VC/HA							0.0
		VC/HA							0.0
5	425	VC/HA		96	100	SP		Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), poorly sorted, loose, damp.	0.0
		VC/HA							0.0
		VC/HA							0.0
		VC/HA						8.0	0.0
10	420	DP	OS-SCB-005 (8-10) (02042020) for VOCs and SVOCs	30	63	SP		Dark Brown, GRAVELLY SAND, subrounded to subangular (0.5-2" diameter), brick fragments, rubber band, poorly sorted, loose, wet.	24.6
			OS-SCB-005 (10-12) (02042020) for VOCs and SVOCs					11.0	37.1
						SP		Brown, FINE TO MEDIUM SAND, well sorted, loose to medium dense, wet.	
								12.0	
						SP		Brown, COARSE SAND, and subangular and subrounded gravel, poorly sorted, loose, wet.	0.0
		DP		36	75			13.5	
15	415					SP		Gray, FINE SAND, well sorted, dense, wet.	0.0
								16.0	
		DP	OS-SCB-005 (16-18) (02042020) for VOCs and SVOCs	34	71	GP		Brown, SANDY GRAVEL, subangular and subrounded (0.5-1.5" diameter), poorly sorted, loose, wet.	0.0
								17.5	
						CL-ML		Brown, SILTY CLAY, medium plasticity, wet.	0.0
								19.0	
20	410					CL-ML		Gray, SILTY CLAY, low plasticity, wet.	
								20.0	
								Bottom of Boring @ 20.0 feet bgs	
25	405								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-006

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/5/2020
DATE COMPLETED: 2/5/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799452.4081
EASTING: 1484174.129
TOTAL DEPTH: 17.68 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance
Direct Push

GRAPHIC LOG LEGEND
Silty Clay

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	425	VC						Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description..	NM
								8.0	
10	420	DP						Closed piston angled drilling to 14.85 feet bgs. Soils not logged for description..	NR
15	415		OS-SCB-006 (14.85-16.26) (02052020) for VOCs and SVOCs + Duplicate					14.85	
		DP	OS-SCB-006 (16.26-17.68) (02052020) for VOCs and SVOCs	32	95	CL-ML		Gray, CLAYEY SILT, low plasticity, wet.	5.3 4.6
								17.68	
20	410							*Bottom of Boring @ 17.68 feet bgs* *Soil boring advanced at a 45 degree angle. Due to boring collapse, closed interval advancement conducted to sample interval depth. Recovery estimated from target depth. The elevation and sample depths of the logged sample interval presented here have been corrected to account for the boring angle.*	
25	405								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-007

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/5/2020
DATE COMPLETED: 2/5/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799466.0867
EASTING: 1484200.44
TOTAL DEPTH: 20.51 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance
Direct Push

GRAPHIC LOG LEGEND
Poorly-graded Gravelly Sand

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	425	VC						Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description..	NM
								8.0	
10	420	DP						Closed piston angled drilling to 17.68 feet bgs. Soils not logged for description..	NR
15	415								
			OS-SCB-007 (17.68-20.51) (02052020) for VOCs and SVOCs					17.68	
20	410	DP		18	53	SP		Brown, GRAVELLY SAND, loose, wet.	2.5
								20.51	
25	405							*Bottom of Boring @ 20.51 feet bgs* *Soil boring advanced at a 45 degree angle. Due to boring collapse, closed interval advancement conducted to sample interval depth. Recovery estimated from target depth. The elevation and sample depths of the logged sample interval presented here have been corrected to account for the boring angle.*	

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

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OS-SCB-008

Client: Arnold & Porter **Project Name:** Hoosick Falls

Project Number: 0378075 **Project Location:** Hoosick Falls, New York

DRILLING CONTRACTOR: Parratt Wolff, Inc.
DATE STARTED: 2/5/2020
DATE COMPLETED: 2/5/2020
LOGGED BY: K. Popyack/ K. Warner
CHECKED BY: H. Usle
DRILLING METHOD(S): Vactor/ Hand Auger/ Direct Push

GROUND ELEVATION: 430.00 feet amsl
NORTHING: 799460.877
EASTING: 1484188.797
TOTAL DEPTH: 17.68 feet bgs
DIAMETER: 2 inches

SAMPLE TYPE:
Vacuum Clearance
Direct Push

GRAPHIC LOG LEGEND
Low Plasticity Clay

NOTES: Geoprobe® 6712DT. Ground elevation estimated from elevation contours. Northing and easting derived from field GPS unit.

DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	PID (ppm)
5	425	VC						Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description.	NM
								8.0	
10	420	DP						Closed piston angled drilling to 14.85 feet bgs. Soils not logged for description.	NR
15	415		OS-SCB-008 (14.85-16.26) (02042020) for VOCs and SVOCs					14.85	
		DP	OS-SCB-008 (16.26-17.68) (02042020) for VOCs and SVOCs	32	94	CL		Gray, CLAY, medium plasticity, wet.	5.3 4.6
								17.68	
20	410							*Bottom of Boring @ 17.68 feet bgs* *Soil boring advanced at a 45 degree angle. Due to boring collapse, closed interval advancement conducted to sample interval depth. Recovery estimated from target depth. The elevation and sample depths of the logged sample interval presented here have been corrected to account for the boring angle.*	
25	405								

ACRONYM LEGEND: amsl = above mean sea level; bgs = below ground surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; PID = photoionization detector; SCB = stream channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System; VOCs = volatile organic compounds.

APPENDIX D CULVERT EXCAVATION PHOTO LOG

Photograph: 1	Mark-out Overview – Photo taken from sidewalk along John Street property facing to NNE.

Photograph: 2	Mark-out Overview – Photo taken from sidewalk on north side of John Street property and CAMP setup (SSW).

Photograph: 3	Mark out Overview – Photo taken from sidewalk of John Street property facing Church St (ESE).

Photograph: 4	Alignment of former Woods Brook channel – Photo taken from inside commercial business property facing intersection of John Street property (W).

Photograph: 5	Angle Boring – Photo taken from sidewalk along John Street property as crew prepare angle soil boring beneath culvert (NNW).

Photograph: 6	Angle Boring – Photo taken from sidewalk along John Street property as crew begin angle soil boring beneath culvert (NNE).

Photograph: 7	Uncovered Roof of Culvert – Photo taken from inside excavation area, looking onto John Street property (S).

Photograph: 8	Uncovered Roof of Culvert – Photo shows a ~16’ cross-section of the culvert.

Photograph: 9	Uncovered Roof of Culvert – Photo depicts shows fiber-optic utility lines in concrete-encased duct bank across top of culvert (NW).

Photograph: 10	Excavator begins removing solids from previously backfilled excavation (SSE).

Photograph: 11	Debris being removed from previously backfilled excavation (SSE).

Photograph: 12	Steel rebar 6” apart maintain culvert roof structural integrity.

Photograph: 13	Saw cut culvert roof slab facing intersection of John Street and Lyman Street (WNW).

Photograph: 14	Plywood was placed beneath roof sections as they were removed to prevent concrete chunks falling into underlying solids within culvert.l

Photograph: 15	Photo shows communications conduit approximately 2’ below ground surface crossing through culvert.

Photograph: 16	Test pit within culvert.

Photograph: 17	Excavation shows an abandoned (grouted) sanitary sewer line crossing the culvert (N).

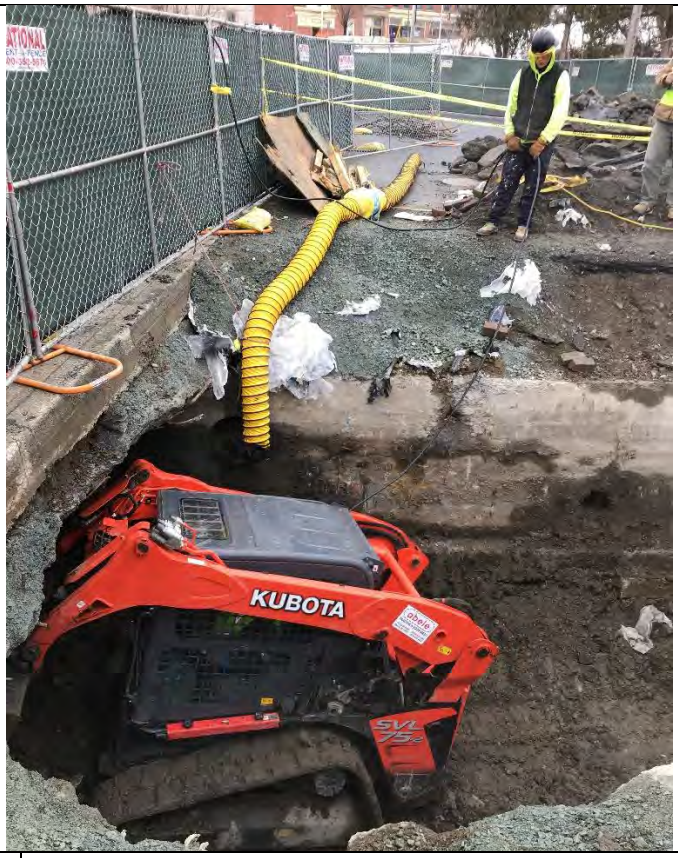
Photograph: 18	Excavation continues after removing abandoned sanitary sewer line.

Photograph: 19	Photo looking downward at wall and footing of culvert.

Photograph: 20	Excavated solids in stockpile.

Photograph: 21	Excavation continues toward sidewalk on north side of John Street (N).

Photograph: 22	Bobcat loader cleaning bottom of culvert excavation (SSE).



Photograph: 23	Box Culvert – Bobcat excavating beneath sidewalk on north side of John Street (ESE).

Photograph: 24	Crew observing culvert excavation before entry for collection of post-remedial soil samples (SSE).

Photograph: 25	Inspection of excavation to northern culvert terminus (N).

Photograph: 26	Inspection of excavation beneath culvert roof left in-place due to utilities.

Photograph: 27	View of final excavation looking north.

Photograph: 28	Plastic netting and poly sheeting placed to demark the vertical extent of excavation – view looking north (N).

Photograph: 29	Excavator backfilling culvert (SSE).

Photograph: 30	Compaction of backfill in 1-foot lifts using plate tamper (N).

Photograph: 31	Backfill continues to be added and compacted (SE).

Photograph: 32	Excavated area returned to road surface level, and work zone signs, fencing and barriers removed (SSW).

Photograph: 33	Shaker sieve machinery arrives to remove large cobbles, boulders and concrete chunks from excavated solids in preparation for offsite disposal.

Photograph: 34	Stockpile of excavated solids covered in plastic sheeting (E).

Photograph: 35	Shaker sieve in operation, conveyor belt system transfers sieved solids to roll-off container on truck (E).

Photograph: 36	Shaker sieve set up, conveyor belt system transfers sieved solids to roll-off container on truck while, cobbles, boulders and concrete drop into adjacent washing box roll-off for washing by pressure/steam washing (E).

Photograph: 37	Sieved solids in lined roll-off

Photograph: 38	Stockpile of sieved, pressure/steam washed cobbles, boulders and concrete chunks (S).

Photograph: 39	Restored culvert excavation area following paving by Village of Hoosick Falls Highway Department

APPENDIX E WASTE DISPOSAL MANIFESTS & CERTIFICATES OF MANAGEMENT

TX: [redacted]

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980646434	1	(800)326-1221	001025520 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name
HEPACO
U.S. EPA ID Number
NCD986194306

7. Transporter 2 Company Name
HERITAGE TRANSPORT LLC
U.S. EPA ID Number
INDO59484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number
OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845756 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER PT 3030 Trailer#: ERI:HERITAGE [1308213116

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148438

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell Int. James Vincent
Signature: James Vincent
Month 03 Day 13 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible]
Signature:
Month 3 Day 13 Year 20

Transporter 2 Printed/Typed Name: Christina Haisnett
Signature: Christina Haisnett
Month 3 Day 13 Year 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: AS JEREMIAH COE
Signature:
Month 3 Day 17 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

TX:

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025521 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE),(F002 RQ = 10LBS),ERG#171	1	CM	15	T	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845778 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER _____ Trailer#: RT2878 ERI:HERITAGE [1308449516

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148465

Generator's/Offeror's Printed/Typed Name: As agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month: 03 Day: 13 Year: 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears — Signature: — Month: 3 Day: 13 Year: 20

Transporter 2 Printed/Typed Name: Christina Maisonette — Signature: Christina Maisonette — Month: 3 Day: 13 Year: 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jeremiah Cole — Signature: — Month: 3 Day: 19 Year: 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

FX:

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025522 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE),(F002 RQ = 10LBS),ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 01485234 T#13845776 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER M0J3V945 Trailer#: ERI:HERITAGE [1308461316

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell Inc, James Vincent — Signature: James Vincent — Month: 03 Day: 20 Year: 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scacola — Signature: — Month: 3 Day: 20 Year: 20

Transporter 2 Printed/Typed Name: Christina Maisonette — Signature: Christina Maisonette — Month: 3 Day: 20 Year: 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Signature: Month: Day: Year:

TX: [illegible]

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025523 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655

U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	~~F002~~
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845774 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER RO-356 Trailer#: ERI:HERITAGE [1308463616

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148621

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 20 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Vim Seacat — Signature: [signature] — Month 3 Day 20 Year 20

Transporter 2 Printed/Typed Name: Christina Maisgrette — Signature: [signature] — Month 3 Day 20 Year 20

DESIGNATED FACILITY

18. Discrepancy: Greater than 10% weight discrepancy on Customer Report

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Entry 53800 Exit 33160 Net 20640 Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Leon Huff — Signature: [signature] — Month 3 Day 20 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

TX: [redacted]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980646434	1	(800)326-1221	001025524 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845772 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
BOX NUMBER RO-637 Trailer#: ERI:HERITAGE [130846851G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148752

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 23 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scaccia — Signature: [signature] — Month 3 Day 23 Year 20

Transporter 2 Printed/Typed Name: JUSTIN WHITE — Signature: [signature] — Month 03 Day 23 Year 20

DESIGNATED FACILITY

18. Discrepancy: Greater than 10% weight discrepancy as per Jose Reynolds

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☒ Residue ☐ Partial Rejection ☐ Full Rejection

Enter 55380 Exit 33580 Net 21800 Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: JENNIFER LOE — Signature: [signature] — Month 4 Day 4 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

TX: [redacted]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025525 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
(973)455-2877
Generator's Phone:

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE),(F002 RQ = 10LBS),ERG#171	1	CM	15	T	~~F002~~
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845770 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
BOX NUMBER RO-347 Trailer#: ERI:HERITAGE [130847161G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148751

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 23 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jim Scancia — Signature — Month 3 Day 23 Year 20

Transporter 2 Printed/Typed Name: JUSTIN WHITE — Signature — Month 03 Day 23 Year 20

DESIGNATED FACILITY

18. Discrepancy: Greater than 10% Weight discrepancy 3K per Jason Reynolds

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Exh 59420 Exit 33600 Net 25820 Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: JENNIFER COLE — Signature — Month 4 Day 4 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

TX: [redacted]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980646434	1	(800)326-1221	001025526 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE),(F002 RQ = 10LBS),ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845768 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER BO-472 Trailer#: ERI:HERITAGE [1308476316

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T#13845742

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 27 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears — Signature: [signature] — Month 3 Day 27 Year 20

Transporter 2 Printed/Typed Name: Christina Maisonette — Signature: Christina Maisonette — Month 3 Day 27 Year 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Samuel Booth — Signature: [signature] — Month 4 Day 9 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

TX: [illegible]

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980646434	1	(800)326-1221	001025527 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name
HEPACO
U.S. EPA ID Number
NCD986194306

7. Transporter 2 Company Name
HERITAGE TRANSPORT LLC
U.S. EPA ID Number
IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number
OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845766 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER _____ Trailer#: R0567 ERI:HERITAGE [1308497216

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148852

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc James Vincent
Signature: James Vincent
Month 03 Day 27 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: _____
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears
Signature:
Month 3 Day 27 Year 20

Transporter 2 Printed/Typed Name: Christina Mawsorette
Signature: Christina Mawsorette
Month 3 Day 27 Year 20

DESIGNATED FACILITY

18. Discrepancy Quantity 1020 Weight discrepancy OK per Jason Reynolds 3-26-2020

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Ent 55360 Ext 34200 Net 21160 Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jeremiah Cole
Signature:
Month 4 Day 9 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

TX: [redacted]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025528 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	F002		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845764 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
BOX NUMBER 48189 Trailer#: 20-25 ERI:HERITAGE [130853081G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. 148861

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 30 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears — Signature: [signature] — Month 03 Day 30 Year 20

Transporter 2 Printed/Typed Name: JUSTIN WHITE — Signature: [signature] — Month 03 Day 30 Year 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Samuel Booker — Signature: [signature] — Month 4 Day 10 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

TX: [redacted]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYD980646434	1	(800)326-1221	001025529 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
(973)455-2877
Generator's Phone:

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	~~F002~~
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845762 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
BOX NUMBER 48297 Trailer#: 2025 ERI:HERITAGE [1308534316

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T#148964

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell, Inc. James Vincent — Signature: James Vincent — Month 03 Day 30 Year 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Seacs — Signature: [redacted] — Month 3 Day 30 Year 20

Transporter 2 Printed/Typed Name: JUSTIN WHITE — Signature: [redacted] — Month 03 Day 30 Year 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Samuel Brooks — Signature: [redacted] — Month 4 Day 17 Year 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

TX: [illegible]

Please print or type. Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD980646434	1	(800)326-1221	001025530 WAS

GENERATOR

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (F002 RQ = 10LBS), ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W11 Q1485234 T#13845760 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE

BOX NUMBER 48250 Trailer#: ERI:HERITAGE [130855251G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. T148950

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell Inc James Vincent — Signature: James Vincent — Month: 04 Day: 01 Year: 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ken Sears — Signature: [signature] — Month: 4 Day: 1 Year: 20

Transporter 2 Printed/Typed Name: JUSTIN WHITE — Signature: [signature] — Month: 04 Day: 01 Year: 20

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jeremiah Cole — Signature: [signature] — Month: 4 Day: 16 Year: 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. **DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM**

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182763

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025521WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 20-MAR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	30,360
Totals	1	30,360

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182752

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025520WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 17-MAR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	24,300
Totals	1	24,300

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182754

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025530WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 16-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	33,520
Totals	1	33,520

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182755

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025529WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 17-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	32,940
Totals	1	32,940

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182756

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025528WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 10-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	27,860
Totals	1	27,860

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182757

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025527WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 09-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	21,160
Totals	1	21,160

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182758

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025526WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 09-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	21,500
Totals	1	21,500

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182759

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025525WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 04-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	25,820
Totals	1	25,820

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182760

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025524WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 04-APR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	21,800
Totals	1	21,800

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182761

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025523WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 28-MAR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	20,640
Totals	1	20,640

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3182762

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025522WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 24-MAR-20

Wastestream	# Containers	Total Pounds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	33,320
Totals	1	33,320

ID: 3197480-15119

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

HAZMAT BILL OF LADING/MANIFEST	1. Offeror's ID Number	2. Page 1 of	3. Emergency Response Phone	4. Tracking Number
	NYD980646434	1	(800)336-1221	3197480-15119

OFFEROR

5. Offeror's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Offeror's Phone: (973)455-2877

Offeror's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name
HERITAGE TRANSPORT LLC - TS ALBANY
U.S. EPA ID Number
IND058484114

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number
OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
	1. NON-DOT/NON-RCRA REGULATED (3X55DM)	003	DM	1200	P
	2.				
	3.				
	4.				
	5.				
	6.				
	7.				

13. Special Handling Instructions and Additional Information
1.009_W7_01448720

T 144297
ERI:HERITAGE [132074201]

14. **OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Offeror's Printed/Typed Name	Signature	Month	Day	Year
James Vincent As Agent for Honeywell	James Vincent	04	17	20

TRANSPORTER

15. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
JOAN BLECHER		4	7	20
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

16. Discrepancy

17. Designated Facility Owner or Operator: Certification of receipt of hazardous Bill of Lading/Manifest covered by the manifest except as noted in item 16

Printed/Typed Name	Signature	Month	Day	Year
JOE BURKE		05	08	20

DESIGNATED FACILITY'S COPY

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3197480

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

CERTIFICATE OF TREATMENT AND DESTRUCTION

HERITAGE THERMAL SERVICES, INC. CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW INCLUDED TREATMENT, STORAGE, AND DESTRUCTION OF YOUR WASTE IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS AND LAWS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 3197480-15119
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 08-MAY-20

Wastestream	# Containers	Total Pounds
7 NON-RCRA HAZARDOUS SOIL, DRILLING MUD AND DE	3	974
Totals	3	974

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD980646434
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 001025579 WAS

GENERATOR

5. Generator's Name and Mailing Address: HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
(973)455-2877
Generator's Phone:

Generator's Site Address (if different than mailing address): HONEYWELL / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HERITAGE TRANSPORT LLC - TS ALBANY
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
Facility's Phone:
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (10LBS), ERG#171 (6X55DM)	006	DM	3000	P	F002
X	2. RQ, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (10LBS), ERG#171 (1X55DM)	001	DM	100	P	F002
X	3. RQ, NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (10 LBS.), ERG#171	013	DM	6,500	P	F002
X	4. RQ, NA3082, HAZARDOUS WASTE, LIQUID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE), (10 LBS.), ERG#171 (4X250TP)	004	TP	1000	G	F002

14. Special Handling Instructions and Additional Information: 1.001_W4_Q1380991_LDR 2.001 W4_Q1380992_LDR 3.008_W2_Q1380989_LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
4.008 W2 Q1380989_LDR
BOX NUMBER _____
ERI:HERITAGE [132074191G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: James Vincent As Agent for Honeywell
Signature: James Vincent
Month: 04 Day: 17 Year: 20

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: ISAAC BELCHER
Signature:
Month: 4 Day: 17 Year: 20
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040	H040	H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

HERITAGE ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTIONS (LDR) NOTICE AND CERTIFICATION

Generator Name : **HONEYWELL INTL INC**

Manifest Tracking No.: **001025579WAS** EPA ID No.: **NYD980646434**

(1) Waste Does Not Meet Applicable Treatment Standards: This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.

Authorized Signature : James Vincent *optional for cert(1)

Printed Name : James Vincent

Company / Title : EBH - Principal Consultant

Date: 4/17/20

(1) Manifest Page/Line	(2) Hazardous Waste Code	(3) Wastewaster Or Non Wastewater	(4) Subcategory (If applicable)	(5) Underlying Constituents	(6) Applicable Certification	One Time WS
1.1	F002	NWW		NA	1	
1.2	F002	NWW		NA	1	
1.3	F002	NWW		NA	1	
1.4	F002	NWW		NA	1	

This form is required for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F039 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or F039 leachate, check all constituents listed below and verify that they are appropriate to the wastestreams identified.

Regulated Constituents(s) (Check all that apply)

1.1	TRICHLOROETHYLENE	1.2	TRICHLOROETHYLENE
1.3	TRICHLOROETHYLENE	1.4	TRICHLOROETHYLENE

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3197480

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Treatment and Disposal

HERITAGE THERMAL SERVICES, INC. CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025579WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 08-MAY-20

Wastestream	# Containers	Total Pounds
2 RCRA HAZ. WATER CONT. TCE/VOC'S/PFO'S	17	14,994
3 RCRA HAZ SOIL DRILLING MUD CONT.TCE/VOC'	6	2,881
4 RCRA HAZ PPE & DEBRIS INSTALLING SAMPLIN	1	91
Totals	24	17,966

TX:

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	NYD980646434
2. Page 1 of	1
3. Emergency Response Phone	(800)326-1221
4. Manifest Tracking Number	001025555 WAS

5. Generator's Name and Mailing Address
HONEYWELL / ERIC CHRISTODOULATOS
115 TABOR RD
MORRIS PLAINS, NJ 07950
Generator's Phone: (973)455-2877

Generator's Site Address (if different than mailing address)
HONEYWELL INTL INC / ERIC CHRISTODOULATOS
3 LYMAN ST
HOOSICK FALLS, NY 12090
GEN: 158704

6. Transporter 1 Company Name: HEPACO — U.S. EPA ID Number: NCD986194306

7. Transporter 2 Company Name: HERITAGE TRANSPORT LLC — U.S. EPA ID Number: IND058484114

8. Designated Facility Name and Site Address
HERITAGE THERMAL SERVICES, INC.
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
Facility's Phone: (800)545-7655
U.S. EPA ID Number: OHD980613541

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,NA3077,HAZARDOUS WASTE, SOLID, N.O.S., 9,PGIII,(TRICHLOROETHENE, 1,1,1-TRICHLOROETHANE),(F002),ERG#171	1	CM	15	T	F002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.009 W10 Q1480500 T#13890323 LDR
WEIGHT IN SEC 11 IS AN ESTIMATE
T148877
BOX NUMBER RD-553 Trailer#: ERI:HERITAGE [13159121]G

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: As Agent for Honeywell James Vincent — Signature: James Vincent — Month Day Year: 04 01 20

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ken Sears — Signature: [signature] — Month Day Year: 4 1 20
Transporter 2 Printed/Typed Name: Justin White — Signature: Justin White — Month Day Year: 04 01 20

18. Discrepancy: Greater than 10% weight discrepancy OK Sean Reynolds
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Entr 43340 Exit 35060 Net 8280
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: JOE BURKE — Signature: Joe Burke — Month Day Year: 04 1 20

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO EPA's e-MANIFEST SYSTEM

HERITAGE ENVIRONMENTAL SERVICES

LAND DISPOSAL RESTRICTIONS (LDR) NOTICE AND CERTIFICATION

Generator Name : **HONEYWELL INTL INC**

Manifest Tracking No.: **001025555WAS** EPA ID No.: **NYD980646434**

(1) Waste Does Not Meet Applicable Treatment Standards: This is a restricted waste that does not meet the applicable treatment standards set forth in Subpart D of 40 CFR Part 268.

Authorized Signature : As Agent for Honeywell James Vincent (optional for cert(1))

Printed Name : James Vincent

Company / Title : EHH - Principal Environmentalist

Date: 4/1/20

(1) Manifest Page/Line	(2) Hazardous Waste Code	(3) Wastewater Or Non Wastewater	(4) Subcategory (If applicable)	(5) Underlying Constituents	(6) Applicable Certification	One Time WS
1.1	F002	NWW		NA	1	

This form is required for F001-F005 spent solvents, characteristic wastes requiring identification of underlying hazardous constituents, or for F039 leachate only. For each F001-F005 spent solvent, characteristic waste requiring identification of underlying hazardous constituents, or F039 leachate, check all constituents listed below and verify that they are appropriate to the wastestreams identified.

Regulated Constituents(s) (Check all that apply)

1.1	1,1,1-TRICHLOROETHANE	1.1	TRICHLOROETHYLENE

Facility : HERITAGE THERMAL SERVICES, INC.
PO BOX 1026
1250 SAINT GEORGE ST UNIT 1
EAST LIVERPOOL, OH 43920-3461
(800)545-7655
EPA ID: OHD980613541 **Stop :** 3192379

Generator Mailing Address :

ERIC CHRISTODOULATOS
HONEYWELL
115 TABOR RD
MORRIS PLAINS, NJ 07950
UNITED STATES

Certificate of Management

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR RECYCLING AND/OR DISPOSAL SHALL BE HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS.

Generator Site Address : **Gen# :** 158704

HONEYWELL INTL INC
3 LYMAN ST
HOOSICK FALLS,NY 12090

DOCUMENT : 001025555WAS
EPA ID NUMBER : NYD980646434
DATE RECEIVED : 11-APR-20

Wastestream	# Containers	Total Pounds
10 RCRA HAZARDOUS SOIL CONTAINING TCE, OTHER VC	1	8,280
Totals	1	8,280

ERM has over 160 offices across the following countries and territories worldwide

Argentina
Australia
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Germany
Hong Kong
India
Indonesia
Ireland
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Japan
Kazakhstan
Kenya
Malaysia
Mexico
Mozambique
Myanmar
The Netherlands
New Zealand
Norway
Panama
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Poland
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South Africa
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ERM Melville
105 Maxess Road
Suite 316
Melville, NY, 11747

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F: 1 631 756 8901

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ERM

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