# 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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Author	Chris Wenczel, Jim Ryan & Maureen Leahy
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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	<b>1</b>
Summary of Soi	I Borings and	d Sample Depth Intervals
	Sample	
	Depth	
	Interval	
Soil Boring ID	(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	"
* Anale Borina		

\* 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.

	Summary	Tab of 1,1,1-TCA a	le 3 nd TCE in Soil	Samples		
Soil Boring Location ID /Compound	Detecte	•	e Intervals In Fee s in Micrograms		ram (μg/k	g)
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 <b>-</b> TCA	150					
TCE	3,100		NYS Part 3	375 SCO [µg/kg]	1,1,1-TCA	TCE
OS-SCB-8	14.8-16.3'	16.3-17.7'	-	Inrestricted Use	680	470
1,1,1-TCA	300 U	630 U		of Groundwater	680 500.000	470
TCE	20,000	27,000		ricted 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.

Summary o		ole 5 and TCE in	Air Samples												
Compound	Compound Culvert Air Ambient Air														
1,1,1-TCA	42,000	41,000	14												
TCE	<b>CE</b> 5,000 4,900 1.6 J														

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

#### 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:

Summary	Tabl of End-Point F	e 6 Post-IRM Soil Samples
	Depth Interval	
Sample ID	(ft. bgs)	<b>Criteria for Selection</b>
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, polyliner 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<sup>1</sup>.

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.

<sup>&</sup>lt;sup>1</sup> 6 May 2020 Email communication from Barbara Firebaugh, P.G. of NYSDEC to Tim Johnson, Anchor QEA

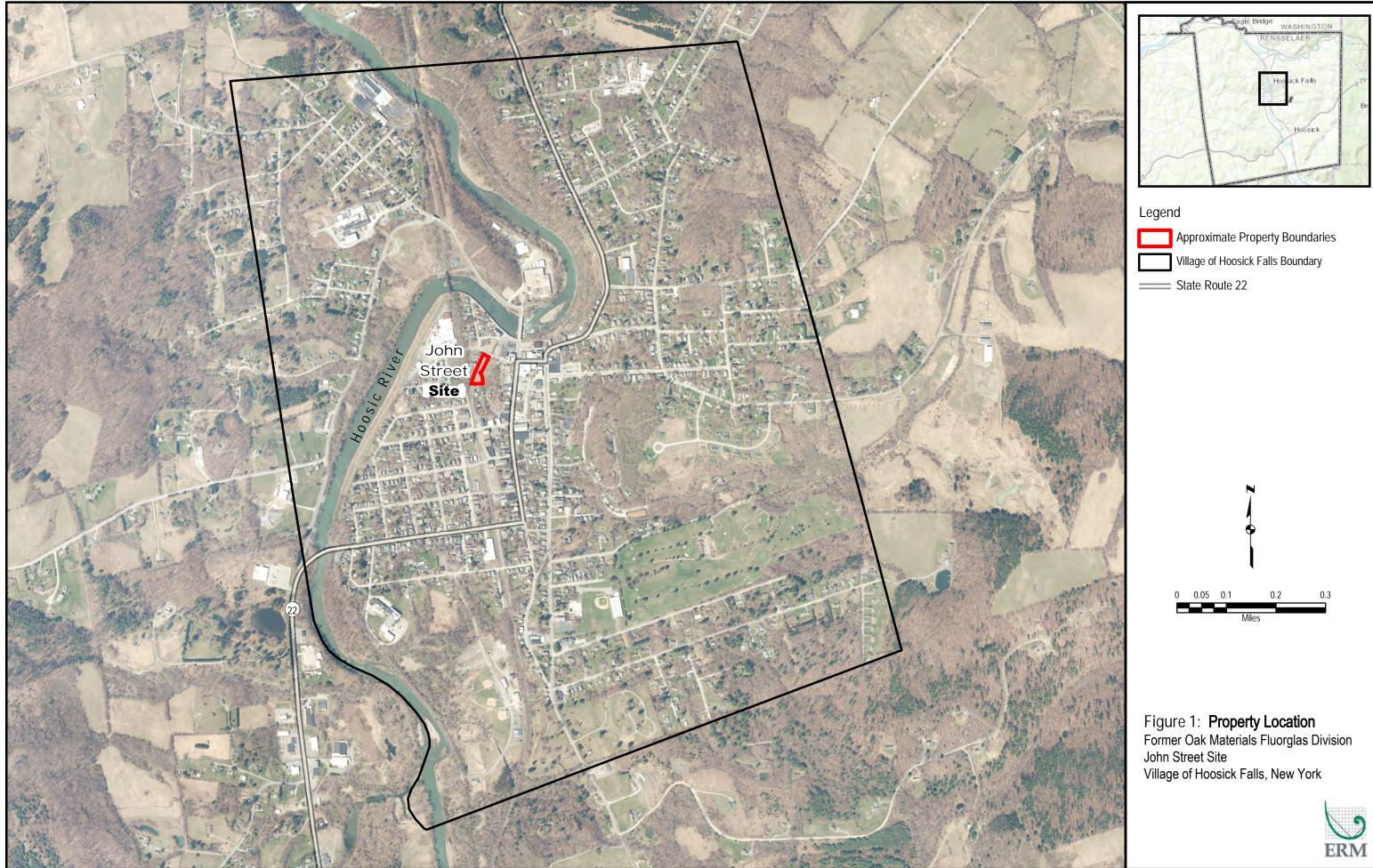
#### 5. SUMMARY & RECOMMENDATIONS

- 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.

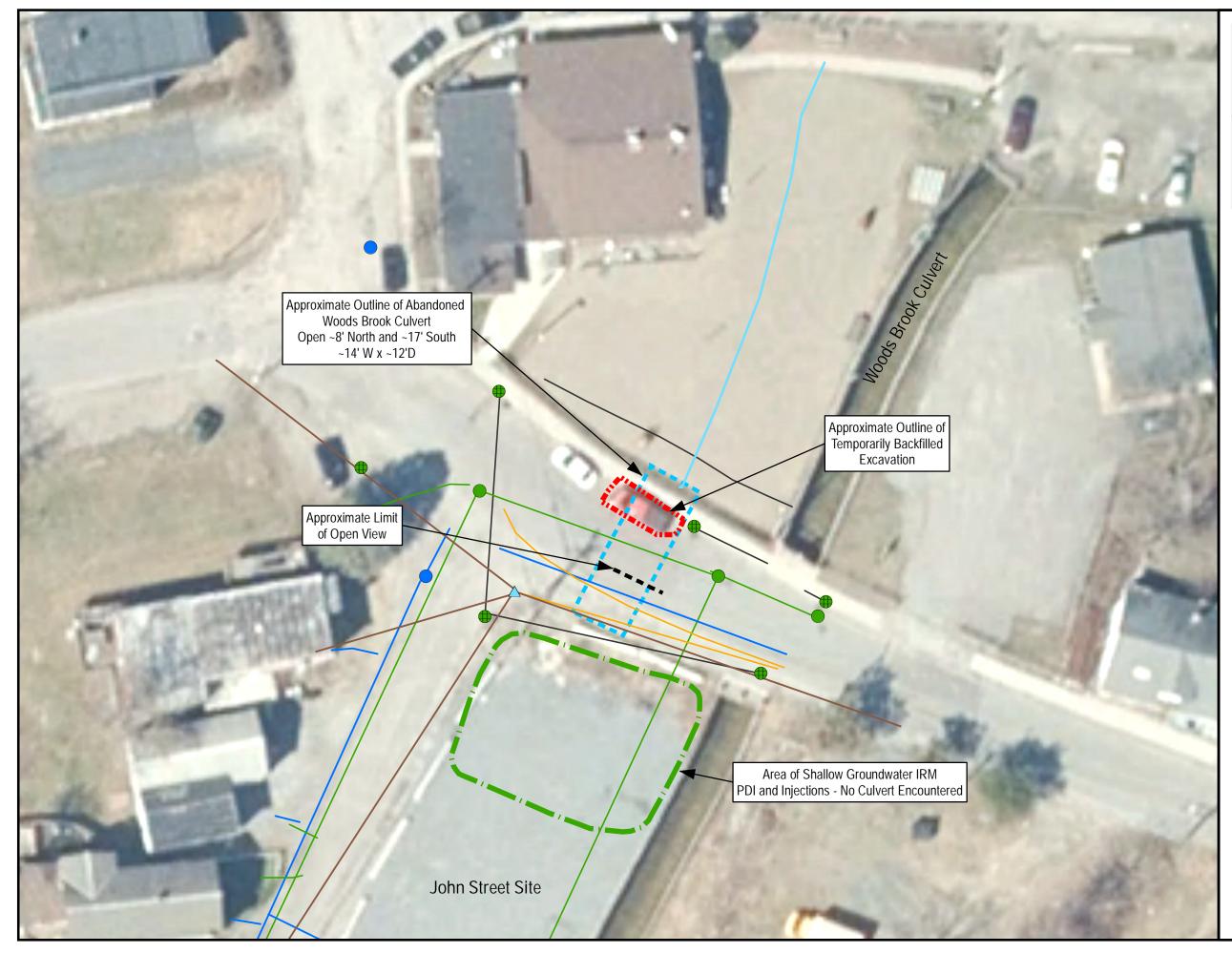
No further remedial actions are recommended at this time. Remedial alternatives will be evaluated as a component of the John Street feasibility study.

#### **FIGURES**

- 1 SITE LOCATION MAP
- 2 SITE LAYOUT MAP
- **3 FORMER BOX CULVERT LAYOUT**
- 4 INVESTIGATIVE LOCATIONS
- 5 INVESTIGATIVE & POST-REMEDIAL SAMPLE RESULTS:1,1,1-TCA & TCE IN SOIL









#### Legend

- Alignment of Former Woods Brook

#### Utility Points

- △ Other
- Sanitary Sewer Manhole
- Storm Drain
- O Water

#### Utility Lines

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

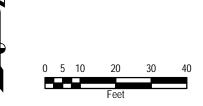
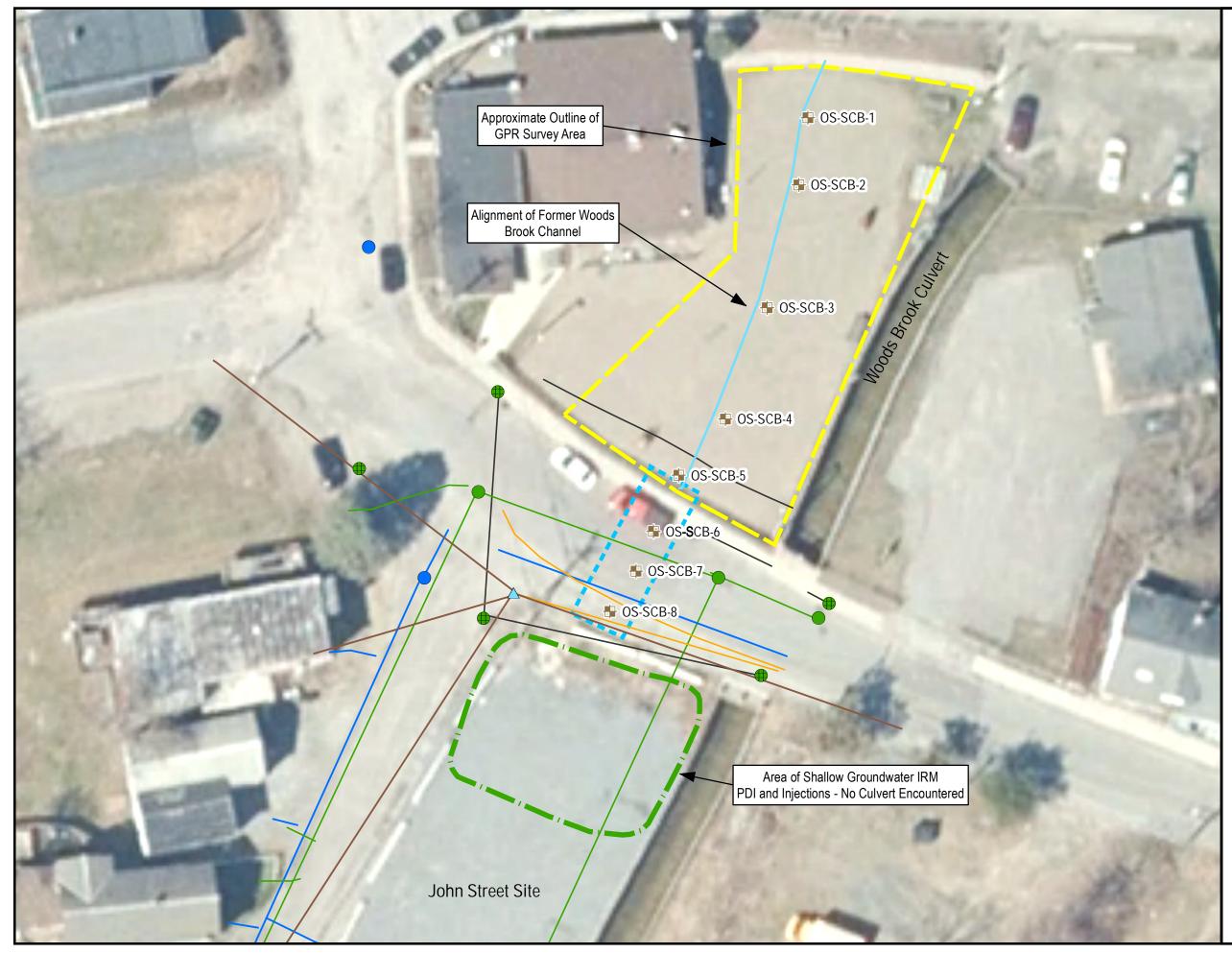


Figure 3: Former Box Culvert Layout Former Oak Materials Fluroglas Division John Street Site Village of Hoosick Falls New York n/team/DMMV/Clients\_A\_EVAmoldandPorter/HoosickFalis/MXD\SamplingLohnSfu/S\_CubertInvestigation/Fig3\_FormerBoxCutvertLayout\_20200609;mxd - Caldwell.Payne - 6/10/202





#### Legend

- 🖶 Angled Soil Boring Location
  - Alignment of Former Woods Brook

### Utility Points

- ▲ Other
- Sanitary Sewer Manhole
- Storm Drain
- O Water

#### Utility Lines

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

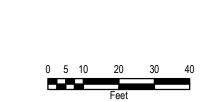


Figure 4: Investigative Locations Former Oak Materials Fluroglas Division John Street Site Village of Hoosick Falls New York 10/2022/2020 And Advoltand Orter/HoosickFallsMXD/SamplingJohnSfJ/S Culvertimestigation/Fig4 InvestigativeLocations 2020609.mxd - Caldwell, Payne - 6/10/2020



AMBIENT AIR ug/m<sup>3</sup> 14 1.6 J



#### Legend

- Post-Remedial Sample Location  $\bigcirc$
- **-**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/m<sup>3</sup>  $\mu g/m^3 = micrograms per cubic meter$ µg/kg = micrograms per kilogram J = approximate valueU = compound not detected



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

#### TABLES

- 1 SUMMARY OF SOIL BORINGS AND SAMPLE DEPTH INTERVALS
- 2 INVESTIGATIVE SOIL BORING ANALYTICAL RESULTS FOR VOCS AND SVOCS
- 3 SUMMARY OF 1,1,1-TCA AND TCE IN SOIL SAMPLES
- 4 CULVERT AND AMBIENT AIR SAMPLE RESULTS
- 5 SUMMARY OF 1,1,1-TCA AND TCE IN AIR SAMPLES
- 6 SUMMARY OF END-POINT POST-IRM SOIL SAMPLES
- 7 POST-REMEDIAL END-POINT SOIL SAMPLE ANALYTICAL RESULTS FOR VOCS AND SVOCS
- 8 JOHN ST. CULVERT IRM SOIL TRANSPORT AND DISPOSAL SUMMARY
- 9 JOHN ST. CULVERT IRM WASTE WATER TRANSPORT AND DISPOSAL SUMMARY

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

	Location ID OS-S	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
		/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 Date 5:10:	00 PM	4:20:00 PM	4:55:00 PM	5:40:00 PM	5:45:00 PM	5:35:00 PM	11:20:00 AM	11:40:00 AM	11:30:00 AM	11:25:00 AM	11:15:00 AM	12:10:00 PM	12:15:00 PM	12:35:00 PM	1:15:00 PM	1:00:00 PM	12:00:00 PM	10:15:00 AM	10:20:00 AM	2:00:00 PM	3:45:00 PM	3:55:00 PM
	Sample Type	N	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	Y
	9 - Sample Depth	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'
Analyte	NY375         NY375         NY375         NY375         NY375           Unit         1UNRES         2RPGW         3RRES         4RRRES         5RCOMM         6RINDU         7PER																						
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		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		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 S.	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 S.	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 S.	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 S.	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 S.	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		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 2	8 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 2	0 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		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 S.	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		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	-gg	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		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		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		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		5 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		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		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		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		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		6 U 6 U	6.2 U	38 U 38 U	44 U 44 U	50 U 50 U	70 U	5.5 U 5.5 U	5.3 U 5.3 U	5.2 U	6.1 U 6.1 U	50 U	110 U 110 U	73 U 73 U	460 U 460 U	390 U 390 U	55 U 55 U	540 U 540 U	820 U	650 U 650 U	57 U 57 U	300 U 300 U	630 U
Dibromochloromethane Dichlorodifluoromethane		6U 6U	6.2 U 6.2 U	38 U 38 U	44 U 44 U	50 U	70 U 70 U	5.5 U 5.5 U	5.3 U 5.3 U	5.2 U 5.2 U	6.1 U 6.1 U	50 U 50 U	110 U 110 U	73 U 73 U	460 U 460 U	390 U 390 U	55 U	540 U 540 U	820 U 820 U	650 U	57 U	300 U 300 U	630 U 630 U
Ethylbenzene	-gg	6U	6.2 U 6.2 U	38 U 38 U	44 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 73 U	460 U	390 U 390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Isopropylbenzene (Cumene)		6U	6.2 U	38 U 38 U	44 U 44 U	50 U	70 U	5.5 U	5.3 U 5.3 U	5.2 U	6.1 U	50 U	110 U	73 U 73 U	460 U	390 U	55 U	540 U	820 U	650 U	57 U	300 U	630 U
Methyl Acetate	-gg	8 U	0.2 U 31 U	190 U	300	250 U	350 U	28 U	5.3 U 27 U	5.2 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)		8U	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 (2-Butanone)		811	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
Methylrsobatyl Netone (4-Methyl-2-1 entanone)		6U	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		6U	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	-gg	6U	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		6U	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)		6U	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		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		6U	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		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)	-g.ig	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		5 UJ	6.2 UJ	38 U	44 U	50 U	70 U	5.5 W	5.3 UJ	5.2 W	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		6 UJ	6.2 UJ	38 U	44 U	50 U	70 U	5.5 UJ	5.3 UJ	5.2 W	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		10	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
					00.0								2200		0.00							0.00	

 Notes and Abbreviations

 µg/kg - microgram per kilogram

 U - Compound not detected

 J - Estimated value

 N - Primary sample

 EOI value indicates sample

 Bold 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 Restricted Residential Use SCO

 NYS Restricted Residential 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

									L	ocation II	D 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
									Sa	ample Dat		/2020 :00 PM	2/3/2020 4:20:00 PM	2/3/2020 4:55:00 PM	2/3/2020 5:40:00 PM	2/3/2020 5:45:00 PM	2/3/2020 5:35:00 PM	2/4/2020 11:20:00 AM	2/4/2020 11:40:00 AM	2/4/2020 11:30:00 AM	2/4/2020 11:25:00 AM	2/4/2020 11:15:00 AM	2/4/2020 12:10:00 PM	2/4/2020 12:15:00 PM	2/4/2020 12:35:00 PM	2/4/2020 1:15:00 PM	2/4/2020 1:00:00 PM	2/5/2020 12:00:00 PM	2/5/2020 10:15:00 AM	2/5/2020 10:20:00 AM	2/5/2020 2:00:00 PM	2/4/2020 3:45:00 PM	2/4/2020 3:55:00 PM
									Sa	ample Typ		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
										dated - Y/l mple Dept	N 1h 9-	Y 11 ft	Y 14 - 16 ft	۲ 24 - 26.2 ft	۲ 8 - 10 ft	Y 14 - 16 ft	Y 22 - 24 ft	Y 10 - 12 ft	۲ 14 - 16 ft	۲ 16 - 18 ft	Y 18 - 20 ft	Y 21 - 23 ft	Y 8 - 10 ft	Y 18 - 20 ft	۲ 8 - 10 ft	۲ 10 - 12 ft	Y 16 - 18 ft	Y 14.8-16.3'	Y 14.8-16.3'	۲ 16.3-17.7'	۲ 17.7-20.5	۲ 14.8-16.3'	۲ 16.3-17.7'
A b de	Unit	NY37	5 NY		NY375 3RRES	NY375 4RRRE			NY375 6RINDU	NY375																							
Analyte SVOCs	Unit	TUNKE	-5 ZRF	GVV	JRREJ	4KKKE	S SRUU		ORINDU	TPER						1	1						l										<u> </u>
1,4-Dioxane (P-Dioxane)	ug/kg	100 NS			9800 NS	13000		0000 2	250000 NS	100		10 U 30 U	110 U 190 U	110 U 180 U	110 U 190 U	110 U 180 U	110 U 180 U	110 U 180 U	110 U 180 U	110 U 190 U	120 U 210 U	110 U 180 U	110 U 190 U	130 U 230 U	000.11	000 11	190 U	970 U	000.11	000.11	200 U	230 U	000.11
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	ug/kg ug/kg	NS			NS	NS NS		45 4S	NS	NS NS		30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2,4-Dichlorophenol	ug/kg	NS NS			NS NS	NS NS		4S 4S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2,4-Dimethylphenol 2,4-Dinitrophenol	ug/kg ug/kg	NS		NS NS	NS	NS		NS NS	NS	NS	-	00 U	190 U 1800 U	1800 U	190 U 1800 U	1800 U	1800 U	1700 U	1800 U	190 U	2000 U	1800 U	190 U 1800 U	230 U 2200 U	9500 U	1900 U	190 U	970 U 9500 U	230 U 2200 U	220 U	200 U	230 U 2300 U	230 U
2,4-Dinitrotoluene 2.6-Dinitrotoluene	ug/kg ug/kg	NS NS		4S 4S	NS NS	NS NS		4S 4S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2-Chloronaphthalene	ug/kg	NS		NS NS	NS	NS		NS NS	NS	NS		30 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 2-Methylnaphthalene	ug/kg ug/kg	NS NS		√S √S	NS NS	NS NS		√S √S	NS NS	NS NS	~	30 U 30 U	360 U 190 U	360 U 180 U	360 U 190 U	350 U 180 U	360 U 180 U	350 U 180 U	360 U 180 U	360 U 190 U	400 U 210 U	350 U 180 U	360 U 190 U	440 U 230 U	1900 U 980 U	380 U 200 U	370 U 190 U	1900 U 970 U	440 U 230 U	430 U 220 U	390 U 200 U	450 U 230 U	450 U 230 U
2-Methylphenol (O-Cresol)	ug/kg	330			100000	100000			1000000	NS		30 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 2-Nitrophenol	ug/kg ug/kg	NS NS		4S 4S	NS NS	NS NS		4S 4S	NS NS	NS NS		50 U 30 U	360 U 190 U	360 U 180 U	360 U 190 U	350 U 180 U	360 U 180 U	350 U 180 U	360 U 180 U	360 U 190 U	400 U 210 U	350 U 180 U	360 U 190 U	440 U 230 U	1900 U 980 U	380 U 200 U	370 U 190 U	1900 U 970 U	440 U 230 U	430 U 220 U	390 U 200 U	450 U 230 U	450 U 230 U
3,3'-Dichlorobenzidine	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	36	60 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 4,6-Dinitro-2-Methylphenol	ug/kg ug/kg	NS NS		NS NS	NS NS	NS NS		1S 1S	NS NS	NS NS	-	50 U 50 U	360 U 360 U	360 U 360 U	360 U 360 U	350 U 350 U	360 U 360 U	350 U 350 U	360 U 360 U	360 U 360 U	400 U 400 U	350 U 350 U	360 U 360 U	440 U 440 U	1900 U 1900 U	380 U 380 U	370 U 370 U	1900 U 1900 U	440 U 440 U	430 U 430 U	390 U 390 U	450 U 450 U	450 U 450 U
4-Bromophenyl Phenyl Ether	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	18	30 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 4-Chloroaniline	ug/kg ug/kg	NS NS		NS NS	NS NS	NS NS		1S 1S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
4-Chlorophenyl Phenyl Ether	ug/kg	NS	Ν	NS	NS	NS	N	√S	NS	NS	18	30 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) 4-Nitroaniline	ug/kg ug/kg	330 NS			34000 NS	100000 NS		0000 1 NS	1000000 NS	NS NS	-	50 U 50 U	360 U 360 U	360 U 360 U	360 U 360 U	350 U 350 U	360 U 360 U	350 U 350 U	360 U 360 U	360 U 360 U	400 U 400 U	350 U 350 U	360 U 360 U	440 U 440 U	1900 U 1900 U	380 U 380 U	370 U 370 U	1900 U 1900 U	440 U 440 U	430 U 430 U	390 U 390 U	450 U 450 U	450 U 450 U
4-Nitrophenol	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	36	50 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 Acenaphthylene	ug/kg ug/kg	2000			100000	100000			1000000	20000 NS	-	30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Acetophenone	ug/kg	NS			NS	NS		NS I	NS	NS	18	30 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 Atrazine	ug/kg ug/kg	10000 NS		0000 1 NS	100000 NS	100000 NS	0000	0000 1 NS	1000000 NS	NS NS		7 J 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Benzaldehyde	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	18	30 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 Benzo(A)Pyrene	ug/kg ug/kg	1000		000	1000	1000			11000	NS 2600		250	190 U 190 U	180 U 180 U	140 J 160 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	140 J 170 J	210 U 210 U	180 U 180 U	68 J 68 J	230 U 230 U	980 U 220 J	42 J 40 J	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Benzo(B)Fluoranthene	ug/kg	1000			1000	1000			11000	NS	3	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 Benzo(K)Fluoranthene	ug/kg ug/kg	10000	100	0000	100000 1000	100000 3900	0 000	10000	1000000 110000	NS NS		50 J 20 J	190 U 190 U	180 U 180 U	150 J 100 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	120 J 70 J	210 U 210 U	180 U 180 U	65 J 39 J	230 U 230 U	250 J 980 U	38 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	33 J 200 U	230 U 230 U	230 U 230 U
Benzyl Butyl Phthalate	ug/kg	NS			NS	NS		1S	NS	NS	18	30 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) Bis(2-Chloroethoxy) Methane	ug/kg ug/kg	NS NS			NS NS	NS NS		1S 1S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	NS		√S	NS	NS		1S	NS	NS		30 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 Bis(2-Ethylhexyl) Phthalate	ug/kg ug/kg	NS NS			NS NS	NS NS		√S √S	NS NS	NS NS	-	30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 94 J	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Caprolactam	ug/kg	NS			NS	NS			NS	NS	-	30 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 Chrysene	ug/kg ug/kg	NS 1000			NS 1000	NS 3900			NS 110000	NS NS	- ·	1 J 240	190 U 190 U	180 U 180 U	190 U 150 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 150 J	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 220 J	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dibenz(A,H)Anthracene Dibenzofuran	ug/kg	330 7000			330 14000	330 59000		00	1100 1000000	NS NS		7 J	190 U 190 U	180 U 180 U	<b>41 J</b> 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	<b>33 J</b> 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dibenzoruran Diethyl Phthalate	ug/kg ug/kg	7000 NS			14000 NS	59000 NS	0000	1000 1 1S	NS	NS NS	-	8 J 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dimethyl Phthalate Di-N-Butyl Phthalate	ug/kg ug/kg	NS NS			NS NS	NS NS		4S 4S	NS NS	NS NS		30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Di-N-Octylphthalate	ug/kg	NS		.0	NS	NS			NS	NS		4 J 30 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U 34 J	210 U	180 U	190 U 34 J	230 U 230 U	980 U 980 U	200 U	190 U 23 J	970 U 970 U	230 U	220 U	200 U	230 U 230 U	230 U
Fluoranthene Fluorene	ug/kg ug/kg	10000			100000	100000			1000000	NS 30000		160 2.1	190 U 190 U	180 U 180 U	190 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	220	210 U 210 U	180 U 180 U	91 J 190 U	230 U 230 U	400 J 980 U	30 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	<b>47 J</b> 200 U	230 U 230 U	230 U 230 U
Huorene Hexachlorobenzene	ug/kg	3000	0 000		330	1200	0 000		12000	30000 NS	- ·	30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Hexachlorobutadiene Hexachlorocyclopentadiene	ug/kg				NS	NS NS			NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Hexachloroethane	ug/kg ug/kg	NS	N	√S	NS	NS	N	√S	NS	NS	18	30 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 980 U	200 U	190 U	970 U	230 U	220 U		230 U	230 U
Indeno(1,2,3-C,D)Pyrene Isophorone	ug/kg ug/kg									NS NS		30 J 30 U	190 U 190 U	180 U 180 U	120 J 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	110 J 190 U	210 U 210 U	180 U 180 U	61 J 190 U	230 U 230 U	210 J 980 U	38 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	32 J 200 U	230 U 230 U	230 U 230 U
Naphthalene	ug/kg	12000	0 12	000 1	100000	100000	0 500	0000 1	1000000	NS	3	8 J	190 U	180 U	190 U	180 U	180 U 180 U	180 U 180 U	180 U	190 U	210 U	180 U 180 U	190 U	230 U	980 U 980 U	200 U	190 U 190 U	970 U	230 U	220 U	200 U 200 U	52 J	230 U
Nitrobenzene N-Nitrosodi-N-Propylamine	ug/kg ug/kg									NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
N-Nitrosodiphenylamine	ug/kg	NS	N	√S	NS	NS	N	√S	NS	NS	18	30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Pentachlorophenol	ug/kg								55000 1000000	800 NS		30 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U 210 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U 230 U	430 U 220 U	390 U	450 U	450 U 230 U
Phenanthrene Phenol	ug/kg ug/kg	330	3	30 1	100000	100000	0 500	0000 1	1000000	30000	18	390 30 U	190 U 190 U	180 U 180 U	110 J 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	76 J 190 U	210 U 210 U	180 U 180 U	37 J 190 U	230 U 230 U	300 J 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Pyrene	ug/kg	10000	0 100	0000 1	100000	100000	0 500	0000 1	1000000	NS	4	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

 EO - Field duplicate sample

 Bold value indicates value equal to, or greater than, standard or guidance

 NYB Ander Value indicates value equal to, or greater than, standard or guidance

 NYS Intestricted Use SCO

 NYS Intestricted Use SCO

 NYS Residential Use SCO

 NYS Restricted Residential SCO

 NYS Restricted Residential 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

									L	ocation II	D 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
									Sa	ample Dat		/2020 :00 PM	2/3/2020 4:20:00 PM	2/3/2020 4:55:00 PM	2/3/2020 5:40:00 PM	2/3/2020 5:45:00 PM	2/3/2020 5:35:00 PM	2/4/2020 11:20:00 AM	2/4/2020 11:40:00 AM	2/4/2020 11:30:00 AM	2/4/2020 11:25:00 AM	2/4/2020 11:15:00 AM	2/4/2020 12:10:00 PM	2/4/2020 12:15:00 PM	2/4/2020 12:35:00 PM	2/4/2020 1:15:00 PM	2/4/2020 1:00:00 PM	2/5/2020 12:00:00 PM	2/5/2020 10:15:00 AM	2/5/2020 10:20:00 AM	2/5/2020 2:00:00 PM	2/4/2020 3:45:00 PM	2/4/2020 3:55:00 PM
									Sa	ample Typ		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	FD	N	N	N	N	N
										dated - Y/l mple Dept	N 1h 9-	Y 11 ft	Y 14 - 16 ft	۲ 24 - 26.2 ft	۲ 8 - 10 ft	Y 14 - 16 ft	Y 22 - 24 ft	Y 10 - 12 ft	۲ 14 - 16 ft	۲ 16 - 18 ft	Y 18 - 20 ft	Y 21 - 23 ft	Y 8 - 10 ft	Y 18 - 20 ft	۲ 8 - 10 ft	۲ 10 - 12 ft	Y 16 - 18 ft	Y 14.8-16.3'	Y 14.8-16.3'	۲ 16.3-17.7'	۲ 17.7-20.5	۲ 14.8-16.3'	۲ 16.3-17.7'
A b de	Unit	NY37	5 NY		NY375 3RRES	NY375 4RRRE			NY375 6RINDU	NY375																							
Analyte SVOCs	Unit	TUNKE	-5 ZRF	GVV	JRREJ	4KKKE	S SRUU		ORINDU	TPER						1	1						l										<u> </u>
1,4-Dioxane (P-Dioxane)	ug/kg	100 NS			9800 NS	13000		0000 2	250000 NS	100		10 U 30 U	110 U 190 U	110 U 180 U	110 U 190 U	110 U 180 U	110 U 180 U	110 U 180 U	110 U 180 U	110 U 190 U	120 U 210 U	110 U 180 U	110 U 190 U	130 U 230 U	000.11	000 11	190 U	970 U	000.11	000.11	200 U	230 U	000.11
2,4,5-Trichlorophenol 2,4,6-Trichlorophenol	ug/kg ug/kg	NS			NS	NS NS		45 4S	NS	NS NS		30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2,4-Dichlorophenol	ug/kg	NS NS			NS NS	NS NS		4S 4S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2,4-Dimethylphenol 2,4-Dinitrophenol	ug/kg ug/kg	NS		NS NS	NS	NS		NS NS	NS	NS	-	00 U	190 U 1800 U	1800 U	190 U 1800 U	1800 U	1800 U	1700 U	1800 U	190 U	2000 U	1800 U	190 U 1800 U	230 U 2200 U	9500 U	1900 U	190 U	970 U 9500 U	230 U 2200 U	220 U	200 U	230 U 2300 U	230 U
2,4-Dinitrotoluene 2.6-Dinitrotoluene	ug/kg ug/kg	NS NS		4S 4S	NS NS	NS NS		4S 4S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
2-Chloronaphthalene	ug/kg	NS		NS NS	NS	NS		NS NS	NS	NS		30 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 2-Methylnaphthalene	ug/kg ug/kg	NS NS		√S √S	NS NS	NS NS		√S √S	NS NS	NS NS		30 U 30 U	360 U 190 U	360 U 180 U	360 U 190 U	350 U 180 U	360 U 180 U	350 U 180 U	360 U 180 U	360 U 190 U	400 U 210 U	350 U 180 U	360 U 190 U	440 U 230 U	1900 U 980 U	380 U 200 U	370 U 190 U	1900 U 970 U	440 U 230 U	430 U 220 U	390 U 200 U	450 U 230 U	450 U 230 U
2-Methylphenol (O-Cresol)	ug/kg	330			100000	100000			1000000	NS		30 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 2-Nitrophenol	ug/kg ug/kg	NS NS		4S 4S	NS NS	NS NS		4S 4S	NS NS	NS NS		30 U 30 U	360 U 190 U	360 U 180 U	360 U 190 U	350 U 180 U	360 U 180 U	350 U 180 U	360 U 180 U	360 U 190 U	400 U 210 U	350 U 180 U	360 U 190 U	440 U 230 U	1900 U 980 U	380 U 200 U	370 U 190 U	1900 U 970 U	440 U 230 U	430 U 220 U	390 U 200 U	450 U 230 U	450 U 230 U
3,3'-Dichlorobenzidine	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	36	60 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 4,6-Dinitro-2-Methylphenol	ug/kg ug/kg	NS NS		1S 1S	NS NS	NS NS		1S 1S	NS NS	NS NS	-	50 U 50 U	360 U 360 U	360 U 360 U	360 U 360 U	350 U 350 U	360 U 360 U	350 U 350 U	360 U 360 U	360 U 360 U	400 U 400 U	350 U 350 U	360 U 360 U	440 U 440 U	1900 U 1900 U	380 U 380 U	370 U 370 U	1900 U 1900 U	440 U 440 U	430 U 430 U	390 U 390 U	450 U 450 U	450 U 450 U
4-Bromophenyl Phenyl Ether	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	18	30 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 4-Chloroaniline	ug/kg ug/kg	NS NS		NS NS	NS NS	NS NS	_	1S 1S	NS NS	NS NS	-	30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
4-Chlorophenyl Phenyl Ether	ug/kg	NS	Ν	NS	NS	NS	N	√S	NS	NS	18	30 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) 4-Nitroaniline	ug/kg ug/kg	330 NS			34000 NS	100000 NS		0000 1 NS	1000000 NS	NS NS	-	50 U 50 U	360 U 360 U	360 U 360 U	360 U 360 U	350 U 350 U	360 U 360 U	350 U 350 U	360 U 360 U	360 U 360 U	400 U 400 U	350 U 350 U	360 U 360 U	440 U 440 U	1900 U 1900 U	380 U 380 U	370 U 370 U	1900 U 1900 U	440 U 440 U	430 U 430 U	390 U 390 U	450 U 450 U	450 U 450 U
4-Nitrophenol	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	36	50 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 Acenaphthylene	ug/kg ug/kg	2000			100000	100000			1000000	20000 NS	-	30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Acetophenone	ug/kg	NS			NS	NS		NS I	NS	NS	18	30 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 Atrazine	ug/kg ug/kg	10000 NS		0000 1 NS	100000 NS	100000 NS	0000	0000 1 NS	1000000 NS	NS NS		7 J 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Benzaldehyde	ug/kg	NS	Ν	√S	NS	NS	N	√S	NS	NS	18	30 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 Benzo(A)Pyrene	ug/kg ug/kg	1000		000	1000	1000			11000	NS 2600		250	190 U 190 U	180 U 180 U	140 J 160 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	140 J 170 J	210 U 210 U	180 U 180 U	68 J 68 J	230 U 230 U	980 U 220 J	42 J 40 J	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Benzo(B)Fluoranthene	ug/kg	1000			1000	1000			11000	NS	3	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 Benzo(K)Fluoranthene	ug/kg ug/kg	10000	100	0000	100000 1000	100000 3900	0 000	10000	1000000 110000	NS NS		50 J 20 J	190 U 190 U	180 U 180 U	150 J 100 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	120 J 70 J	210 U 210 U	180 U 180 U	65 J 39 J	230 U 230 U	250 J 980 U	38 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	33 J 200 U	230 U 230 U	230 U 230 U
Benzyl Butyl Phthalate	ug/kg	NS			NS	NS		1S	NS	NS	18	30 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) Bis(2-Chloroethoxy) Methane	ug/kg ug/kg	NS NS			NS NS	NS NS		1S 1S	NS NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	ug/kg	NS		√S	NS	NS		1S	NS	NS		30 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 Bis(2-Ethylhexyl) Phthalate	ug/kg ug/kg	NS NS			NS NS	NS NS		√S √S	NS NS	NS NS	-	30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 94 J	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Caprolactam	ug/kg	NS			NS	NS			NS	NS	-	30 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 Chrysene	ug/kg ug/kg	NS 1000			NS 1000	NS 3900			NS 110000	NS NS	- ·	1 J 240	190 U 190 U	180 U 180 U	190 U 150 J	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 150 J	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 220 J	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dibenz(A,H)Anthracene Dibenzofuran	ug/kg	330 7000			330 14000	330 59000		00	1100 1000000	NS NS		7 J	190 U 190 U	180 U 180 U	<b>41 J</b> 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	<b>33 J</b> 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dibenzoruran Diethyl Phthalate	ug/kg ug/kg	7000 NS			14000 NS	59000 NS	0000	1000 1 1S	NS	NS NS	-	8 J 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Dimethyl Phthalate Di-N-Butyl Phthalate	ug/kg ug/kg	NS NS			NS NS	NS NS		4S 4S	NS NS	NS NS		30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Di-N-Octylphthalate	ug/kg	NS		.0	NS	NS			NS	NS		4 J 30 U	190 U	180 U	190 U	180 U	180 U	180 U	180 U	190 U 34 J	210 U	180 U	190 U 34 J	230 U 230 U	980 U 980 U	200 U	190 U 23 J	970 U 970 U	230 U	220 U	200 U	230 U 230 U	230 U
Fluoranthene Fluorene	ug/kg ug/kg	10000			100000	100000			1000000	NS 30000		160 2.1	190 U 190 U	180 U 180 U	190 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	220	210 U 210 U	180 U 180 U	91 J 190 U	230 U 230 U	400 J 980 U	30 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	<b>47 J</b> 200 U	230 U 230 U	230 U 230 U
Huorene Hexachlorobenzene	ug/kg	3000	0 000		330	1200	0 000		12000	30000 NS	- ·	30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Hexachlorobutadiene Hexachlorocyclopentadiene	ug/kg				NS	NS NS			NS	NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Hexachloroethane	ug/kg ug/kg	NS	N	√S	NS	NS	N	√S	NS	NS	18	30 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 980 U	200 U	190 U	970 U	230 U	220 U		230 U	230 U
Indeno(1,2,3-C,D)Pyrene Isophorone	ug/kg ug/kg									NS NS		30 J 30 U	190 U 190 U	180 U 180 U	120 J 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	110 J 190 U	210 U 210 U	180 U 180 U	61 J 190 U	230 U 230 U	210 J 980 U	38 J 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	32 J 200 U	230 U 230 U	230 U 230 U
Naphthalene	ug/kg	12000	0 12	000 1	100000	100000	0 500	0000 1	1000000	NS	3	8 J	190 U	180 U	190 U	180 U	180 U 180 U	180 U 180 U	180 U	190 U	210 U	180 U 180 U	190 U	230 U	980 U 980 U	200 U	190 U 190 U	970 U	230 U	220 U	200 U 200 U	52 J	230 U
Nitrobenzene N-Nitrosodi-N-Propylamine	ug/kg ug/kg									NS NS		30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
N-Nitrosodiphenylamine	ug/kg	NS	N	√S	NS	NS	N	√S	NS	NS	18	30 U 30 U	190 U 190 U	180 U 180 U	190 U 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	190 U 190 U	210 U 210 U	180 U 180 U	190 U 190 U	230 U 230 U	980 U 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Pentachlorophenol	ug/kg								55000 1000000	800 NS		30 U	360 U	360 U	360 U	350 U	360 U	350 U	360 U	360 U	400 U 210 U	350 U	360 U	440 U	1900 U	380 U	370 U	1900 U	440 U 230 U	430 U 220 U	390 U	450 U	450 U 230 U
Phenanthrene Phenol	ug/kg ug/kg	330	3	30 1	100000	100000	0 500	0000 1	1000000	30000	18	390 30 U	190 U 190 U	180 U 180 U	110 J 190 U	180 U 180 U	180 U 180 U	180 U 180 U	180 U 180 U	76 J 190 U	210 U 210 U	180 U 180 U	37 J 190 U	230 U 230 U	300 J 980 U	200 U 200 U	190 U 190 U	970 U 970 U	230 U 230 U	220 U 220 U	200 U 200 U	230 U 230 U	230 U 230 U
Pyrene	ug/kg	10000	0 100	0000 1	100000	100000	0 500	0000 1	1000000	NS	4	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

 EO - Field duplicate sample

 Bold value indicates value equal to, or greater than, standard or guidance

 NYB Ander Value indicates value equal to, or greater than, standard or guidance

 NYS Intestricted Use SCO

 NYS Intestricted Use SCO

 NYS Residential Use SCO

 NYS Restricted Residential SCO

 NYS Restricted Residential 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



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

								Location ID	JS-CULVERT-EP-01 2/24/2020 4:30:00	JS-CULVERT-EP-02 2/24/2020 4:35:00			JS-CULVERT-EP-05 2/26/2020 9:30:00	JS-CULVERT-EP-06 2/26/2020 12:00:00		JS-CULVERT-EP-08 2/26/2020 12:30:00
								ample Date ample Type	PM N	PM N	AM N	AM	AM	PM N	PM N	PM N
								dated - Y/N	Y ~12	Y ~12	Y ~6	Y ~8	Y ~10	Y ~6	Y ~8	Y ~10
Analyte	Unit	NY375 1UNRES	NY375 2RPGW	NY375 3RRES	NY375 4RRRES	NY375 5RCOMM	NY375 6RINDU	NY375 7PER								
VOCs 1,1,1-Trichloroethane (TCA) 1,1,2,2-Tetrachloroethane	ug/kg ug/kg	680 NS	680 NS	100000 NS	100000 NS	500000 NS	1000000 NS	NS NS	21000 58 U	71000 240 U	500 1 U	54000 J 230 U	3400 45 U	5300 58 U	40000 180 U	86000 J 500 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/kg	NS	NS	NS	NS	NS	NS	NS	58 U	240 U	10	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	uq/kq	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	uq/kq	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	10	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 1.4-Dichlorobenzene	ug/kg ua/ka	2400 1800	2400 1800	17000 9800	49000	280000	560000 250000	NS 20000	58 U 58 U	240 U 240 U	1 U 1 U	230 U 230 U	45 U 45 U	58 U 58 U	180 U 180 U	500 U 500 U
2-Hexanone	ug/kg	NS 50	NS 50	NS	NS	NS 500000	NS	NS	290 U	1200 U	5.2 U	1100 U	230 U	290 U	920 U	2500 U
Acetone Benzene	ug/kg ug/kg	60	60	100000 2900	100000 4800	44000	1000000 89000	2200 70000	290 U 58 U	1200 U 240 U	6.3 U 1 U	1100 U 230 U	230 U 45 U	290 U 58 U	920 U 180 U	2500 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	uq/kq	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	uq/kq	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	uq/kq	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	uq/kq	370	370	10000	49000	350000	700000	12000	58 U	240 U	1 U	230 U	45 U	58 U	180 U	500 U
Chloromethane	uq/kq	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	uq/kq	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	ua/ka	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	10	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)	uq/kq	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)	uq/kq	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	uq/kq	NS	NS	NS	NS	NS	NS	NS	58 U	240 U	10	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	uq/kq	930	930	62000	100000	500000	1000000	NS	58 U	240 U	<u>1 U</u>	230 U	45 U	58 U	180 U	500 U
Tetrachloroethylene (PCE)	uq/kq	1300	1300	5500		150000	300000	2000	58 U	240 U	1 U	190 J	20 J	58 U	180 U	500 U
Toluene Trans-1,2-Dichloroethene	uq/kq	700 190	700	100000	100000	500000 500000	1000000	36000	58 U 58 U	430 240 U	3.7 1 U	210 J 84 J	42 J 45 U	330	180 U 34 J	600 J 500 U
Trans-1,3-Dichloropropene	ug/kg ug/kg	NS	NS	NS	NS	NS	NS	NS NS	58 UJ	240 UJ	1 U	230 UJ	45 UJ	26 J 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	ua/ka	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			-						120 0	180 J	2.10	450 0	910	150	370 0	1000 0
1,4-Dioxane (P-Dioxane) 2,4,5-Trichlorophenol	ug/kg ug/kg	100 NS	100 NS	9800 NS	13000 NS	130000 NS	250000 NS	100 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	ua/ka	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	uq/kq	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	uq/kq	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	uq/kq	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-Nitrophenol	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
	ua/ka	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	ua/ka	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	NS	NS NS	380 U 380 U	380 U	370 U 370 U	360 U	360 U	370 U 370 U	380 U 380 U	360 U
4-Chlorophenyl Phenyl Ether 4-Methylphenol (P-Cresol)	ug/kg ug/kg	NS 330	330	34000	NS 100000	NS 500000	NS 1000000	NS	380 U	380 U 380 U	370 U	360 U 360 U	360 U 360 U	370 U	380 U	360 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 Acenaphthylene	uq/kq uq/kq	20000	98000 107000	100000	100000 100000	500000 500000	1000000	20000 NS	380 U 8.6 J	380 U 380 U	370 U 370 U	360 U 12 J	360 U 360 U	68 J 60 J	380 U 18 J	360 U 23 J
Acetophenone	uq/kq	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	uq/kq	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	ua/ka	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	uq/kq	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	uq/kq	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	uq/kq	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	1 700	210 J	1200

Naphthalene Nitrobenzene	ua/ka															
Nitrobenzene		12000	12000	100000	100000	500000	1000000	NS	14 J	380 U	440	46 J	320 J	1700	210 J	1200
	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	uq/kq	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	uq/kq	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
imary sample Field duplicate sample value indicates detected value ad value indicates value equal to, or greater th art 375 = NYS Soil Cleanup Objective (SCO) in NYS Unrestricted Use SCO NYS Protection of Groundwater SCO NYS Residential Use SCO			tion of New	York Codes	, Rules and	Regulations	(6 NYCRR) S	Subpart 375	⊱6.8(a).							

### 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 9Waste Water Transport and Disposal SummaryFormer 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
А	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles
В	Rinse Water - Culvert IRM	3/19/2020	4/17/2020	Hazardous F002	158704-2	001025579WAS	Rinse water from washing cobbles

APPENDICES

- A LABORATORY DATA DELIVERABLE USABILITY REPORTS
- B GEOPHYSICAL REPORT FROM NEW YORK LEAK DETECTION
- C SOIL BORING LOGS
- D CULVERT EXCAVATION PHOTO LOG
- E WASTE DISPOSAL MANIFESTS

APPENDIX A LABORATORY DATA DELIVERABLE USABILITY REPORTS



# 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	Client	Laboratory	Matrix	
Sample ID	Sample ID	Sample Numbers		
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	

<u>Note (s)</u>: 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 H'l' 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	10
	Bromoform	66%/OK/OK	
	Ethylbenzene	78%/OK/OK	-0
	1,2-Dibromoethane	72%/OK/OK	$\checkmark$
	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	1

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

<u>Trip Blank/Equipment Blank (TB/EB)</u> - 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%	UI	

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.

<u>Sample Analysis</u> - 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.

<u>Continuing Calibration (CCAL)</u> - 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.



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	ŔL	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	YTU5	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-trifluoroethan e	6.2	υ	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	UTH	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	YUS	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	UTH	6.2	0.89
110-82-7	Cyclohexane	6.2	U	6.2	0.86
75-71-8	Dichlorodifluoromethane	6.2	UTH	6.2	0.51
100-41-4	Ethylbenzene	6.2	U	6.2	0.31
106-93-4	1,2-Dibromoethane	6.2	U	6.2	0.43
98-82-8	Isopropylbenzene	6.2	U	6.2	0.73

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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	υ	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	YUN	6.2	0.58
75-01-4	Vinyl chloride	6.2	XUS	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

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)		
3 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-trifluoroethan e	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

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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	υ	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	8REC	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

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-trifluoroethan e	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	UTA	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	XUS	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	UTH	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

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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	υ	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	y vs	5.6	0.53
75-01-4	Vinyl chloride	5.6	VUS	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

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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	υ	70	15
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	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

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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

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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	υ	50	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	50	U	50	25
75-34-3	1,1-Dichloroethane	50	U	50	10
75-35-4	1,1-Dichloroethene	50	U	50	1
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	υ	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	1(
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	1
106-93-4	1,2-Dibromoethane	50	U	50	8.8
98-82-8	Isopropylbenzene	50	U	50	7.6

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)	1.02		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

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-trifluoroethan e	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	υ	4.4	9.7
75-15-0	Carbon disulfide	44	U	4.4	20
56-23-5	Carbon tetrachloride	44	U	44	11
108-90-7	Chlorobenzene	44	U	4.4	5.8
124-48-1	Dibromochloromethane	44	U	44	21
75-00-3	Chloroethane	44	U	4.4	9.2
67-66-3	Chloroform	44	U	44	30
74-87-3	Chloromethane	44	U	4.4	10
156-59-2	cis-1,2-Dichloroethene	44	U	4.4	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

02/12/2020

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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	υ	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-trifluoroethan e	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	υ	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	UTA	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	805	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	UTH	5.3	0.76
110-82-7	Cyclohexane	5.3	U	5.3	0.74
75-71-8	Dichlorodifluoromethane	5.3	UTA	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)
<pre>% Moisture: 9.6</pre>	Level: (low/med) Low
Analysis Batch No.: 516629	Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RĹ	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	BUS	5.3	0.50
75-01-4	Vinyl chloride	5.3	E VY	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

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-trifluoroethan e	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	υ	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	UTK	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	YVS	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	UM	5.2	0.76
110-82-7	Cyclohexane	5.2	U	5.2	0.73
75-71-8	Dichlorodifluoromethane	5.2	U <b>2</b> H	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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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)		
<pre>% Moisture: 9.6</pre>	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	PVS	5.2	0.50
75-01-4	Vinyl chloride	5.2	80	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

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-trifluoroethan e	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	0.3
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	0.3
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.
108-10-1	4-Methyl-2-pentanone (MIBK)	31	U	31	2.0
67-64-1	Acetone	16	J	31	5.2
71-43-2	Benzene	6.1	U	6.1	0.30
75-27-4	Bromodichloromethane	6.1	UTH	6.1	0.8
75-25-2	Bromoform	6.1	U	6.1	3.
74-83-9	Bromomethane	6.1	U	6.1	0.5
75-15-0	Carbon disulfide	6.1	U	6.1	3.
56-23-5	Carbon tetrachloride	6.1	υ	6.1	0.59
108-90-7	Chlorobenzene	6.1	U	6.1	0.8
124-48-1	Dibromochloromethane	6.1	U	6.1	0.78
75-00-3	Chloroethane	6.1	YUS	6.1	1.4
67-66-3	Chloroform	6.1	U	6.1	0.38
74-87-3	Chloromethane	6.1	U	6.1	0.3
156-59-2	cis-1,2-Dichloroethene	6.1	U	6.1	0.78
10061-01-5	cis-1,3-Dichloropropene	6.1	UTA	6.1	0.88
110-82-7	Cyclohexane	6.1	U	6.1	0.85
75-71-8	Dichlorodifluoromethane	6.1	UTH	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	0.9

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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)
<pre>% Moisture: 20.1 Level: (low/med) Low</pre>	
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	PUS	6.1	0.58
75-01-4	Vinyl chloride	6.1	YUS	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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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-trifluoroethan e	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	UTA	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	105	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	UTA	5.5	0.80
110-82-7	Cyclohexane	5.5	U	5.5	0.78
75-71-8	Dichlorodifluoromethane	5.5	UTA	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	0.30
98-82-8	Isopropylbenzene	5.5	U	5.5	0.84

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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	205	5.5	0.52
75-01-4	Vinyl chloride	5.5	NV3	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

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)				
<pre>% Moisture: 9.2</pre>	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-trifluoroethan e	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	11
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

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Lab Name: Eurofins TestAmerica, Buffalo	Job No.: 480-165905-1				
SDG No.:					
Client Sample ID: <u>OS-SCB-3(21-23)(02042020)</u>	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	υ	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	υ	50	5.0
79-01-6	Trichloroethene	2300		50	14
75-69-4	Trichlorofluoromethane	50	υ	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

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-trifluoroethan e	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	0.4
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	0.23
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	0.43
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	0.3
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.8
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.3
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	0.7

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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	υ	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

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-trifluoroethan e	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

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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	υ	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

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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-trifluoroethan e	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	υ	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	υ	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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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

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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-trifluoroethan e	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	υ	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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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 12:1		
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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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-trifluoroethan e	73	U	73	36
75-34-3	1,1-Dichloroethane	56	J	73	2.2
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	υ	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

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



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	2

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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	2.5
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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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		
3 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

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		
३ 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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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		
8 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	l,l'-Biphenyl	180	U	180	27
123-91-1	1,4-Dioxane	110	U	110	60
108-60-1	2,2'-oxybis(1-chloropropane)	180	υ	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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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
3 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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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	4 6
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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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		
3 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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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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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
3 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

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
3 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

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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
रे 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

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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: 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
३ 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	4.4
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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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
3 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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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
3 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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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		
हे 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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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		
3 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	2
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	23
50-32-8	Benzo[a]pyrene	210	U	210	3(

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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

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		
ኝ Moisture: 7.2	GPC Cleanup:(Y/N) N		
Analysis Batch No.: 516882	Units: ua/Ka		

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	180	U	180	2.6
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-Nítrophenol	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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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		
९ 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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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-B	Benzo[a]pyrene	180	U	180	27

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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
3 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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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
3 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	0.30

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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
१ 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	υ	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

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		
३ 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

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
3 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

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
3 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

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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
8 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

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Lab Name: Eurofins TestAmerica, Buffalo	Job No.: 480-165905-1
SDG No.:	
Client Sample ID: <u>OS-SCB-4(18-20)(02042020)</u>	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
3 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

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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
3 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

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# DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York

Date: February 28, 2020

SDG: 480-165970-1

Laboratory: <u>Test America</u>, 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

<u>Note (s)</u>: 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	1

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

<u>Trip Blank/Equipment Blank (TB/EB)</u> - 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

<u>Sample Analysis</u> - 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.

<u>Continuing Calibration (CCAL)</u> - 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.

<u>Field Duplicate</u> - 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	-	-

<u>Sample Analysis</u> - 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.



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-trifluoroethan e	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

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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

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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-trifluoroethan e	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

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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

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Lab Name: Eurofins TestAmerica, Buffalo	Job No.: 480-165970-1		
SDG No.:			
Client Sample ID: <u>OS-SCB-5(16-18)(02042020)</u>	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-trifluoroethan e	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	2.7
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	1!
10061-01-5	cis-1,3-Dichloropropene	55	Ū	55	1:
110-82-7	Cyclohexane	55	U	55	12
75-71-8	Dichlorodifluoromethane	55	U	55	24
100-41-4	Ethylbenzene	55	U	55	1
106-93-4	1,2-Dibromoethane	55	U	55	9.
98-82-8	Isopropylbenzene	55	U	55	8.

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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

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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: <u>480-165970-4</u>
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: 2B-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-trifluoroethan e	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

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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

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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-trifluoroethan e	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

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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	υ	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

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-trifluoroethan e	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

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	8REC	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

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)
3 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-trifluoroethan e	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

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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	Ŭ	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

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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-trifluoroethan e	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	7:
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	9.
98-82-8	Isopropylbenzene	540	U	540	8

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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

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	l,1,2-Trichloro-1,2,2-trifluoroethan e	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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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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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)		
8 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-trifluoroethan e	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	UTA	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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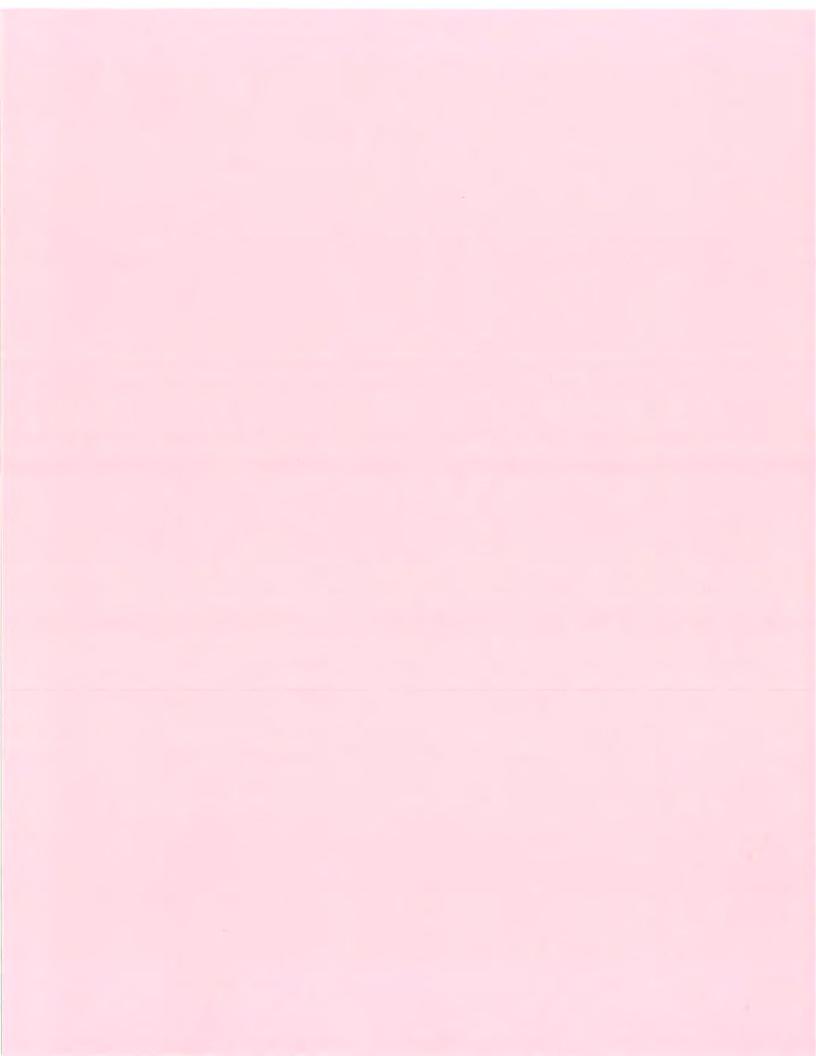
Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-165970-1	
SDG No.:	
Client Sample ID: TB(02052020)	Lab Sample ID: 480-165970-11
Matrix: Water	Lab File ID: T0701.D
Analysis Method: 8260C	Date Collected: 02/05/2020 00:00
Sample wt/vol: 5(mL)	Date Analyzed: 02/07/2020 15:58
Soil Aliquot Vol:	Dilution 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	UT	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	υ	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

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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
रे 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

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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

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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
3 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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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
३ 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	<pre>Benzo[g,h,i]perylene</pre>	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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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		
3 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	σ	190	30

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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
8 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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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
<pre>3 Moisture: 28.3</pre>	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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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		
3 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	4 9
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	υ	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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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	υ	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	0.4
205-99-2	Benzo[b]fluoranthene	5.0	U	5.0	0.34

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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
3 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

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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
ቆ 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

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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
8 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

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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	
8 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

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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	υ	220	33
108-95-2	Phenol	220	U	220	34
129-00-0	Pyrene	220	U	220	26

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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
3 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	υ	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	υ	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	υ	970	130
120-12-7	Anthracene	970	υ	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

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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			
३ 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	Nítrobenzene	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

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
۶ 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	43
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	7(
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	3(
205-99-2	Benzo[b]fluoranthene	39	J	200	32

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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
3 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

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# DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York

SDG: <u>140-18320-1</u>

Laboratory: <u>Eurofins Test America Laboratories, Inc., Knoxville, TN</u> Date: <u>March 27, 2020</u>

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

<u>Note (s)</u>: 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.

<u>Canister Certification Blanks</u> - 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.

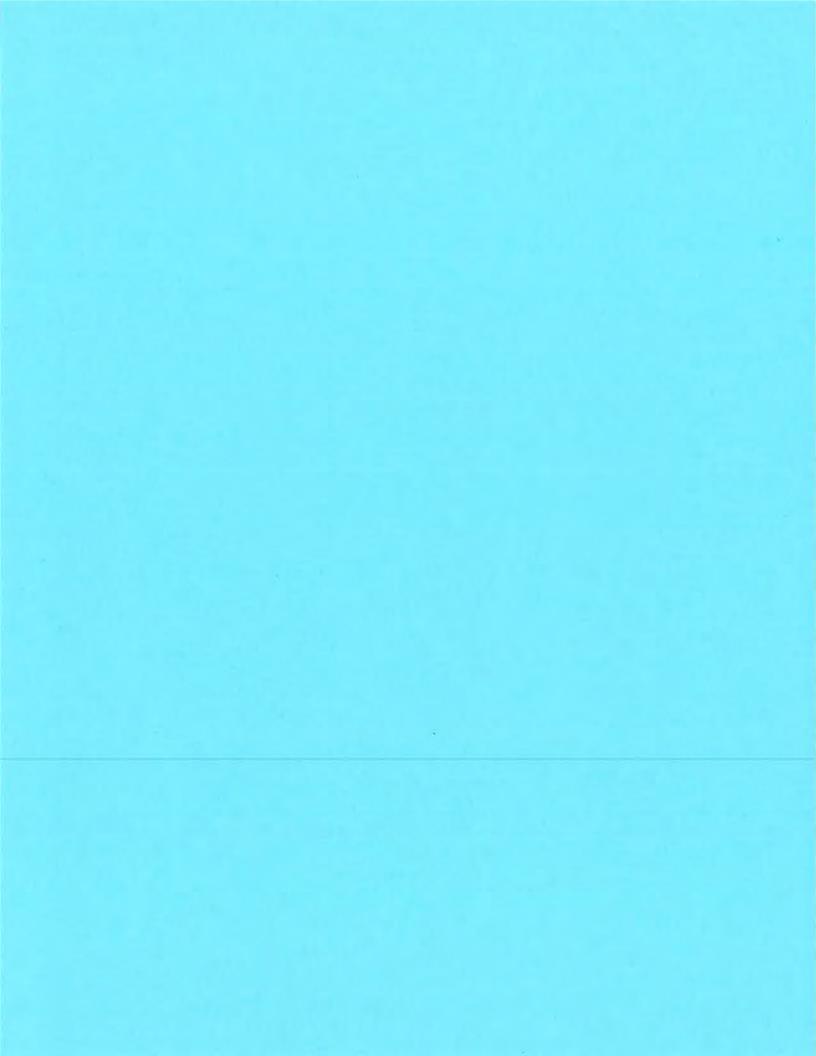
Continuing Calibration (CCAL) - The CCALs exhibited acceptable %D and RRF values.

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

Field Duplicate - Field duplicate samples were not collected.

<u>Sample Analysis</u> - 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.

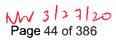
Data Qualifie <del>r</del>	Definition		
U	The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.		
J	The analyte is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.		
UJ	The analyte 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	υ	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-Tetrachloroethan e	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-Dichloropropen e	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

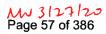
Lab Name: Eurofins TestAmerica, Knoxville	Job No.: 140-18320-1			
SDG No.:				
Client Sample ID: JS - CULVERT AIR - 01 (02182020)	Lab Sample ID: 140-18320-1			
Matrix: Air	Lab File ID: GB28P116.D			
Analysis Method: TO 15 LL	Date Collected: 02/18/2020 11:05			
Sample wt/vol: 20(mL)	Date Analyzed: 02/29/2020 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	υ	79	51

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

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-Tetrachloroethan e	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-Dichloropropen e	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

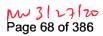
Lab Name: Eurofins TestAmerica, Knoxville	Job No.: 140-18320-1
SDG No.:	
Client Sample ID: JS - DUPCULVERT (02182020)	Lab Sample ID: 140-18320-2
Matrix: Air	Lab File ID: GB28P201.D
Analysis Method: TO 15 LL	Date Collected: 02/18/2020 11:04
Sample wt/vol: 20(mL)	Date Analyzed: 02/29/2020 01:06
Soil Aliquot 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

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	υ	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	Ū	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-Tetrachloroethan e	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-Dichloropropen e	110.97	3.6	υ	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





## DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York

Date: March 27, 2020

SDG : <u>460-203699-1</u>

Laboratory: Test America, Edison, New Jersev

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

<u>Note (s)</u>: 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.

<u>Trip Blank/Equipment Blank (TB/EB)</u> - 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.

<u>Sample Analysis</u> - 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.

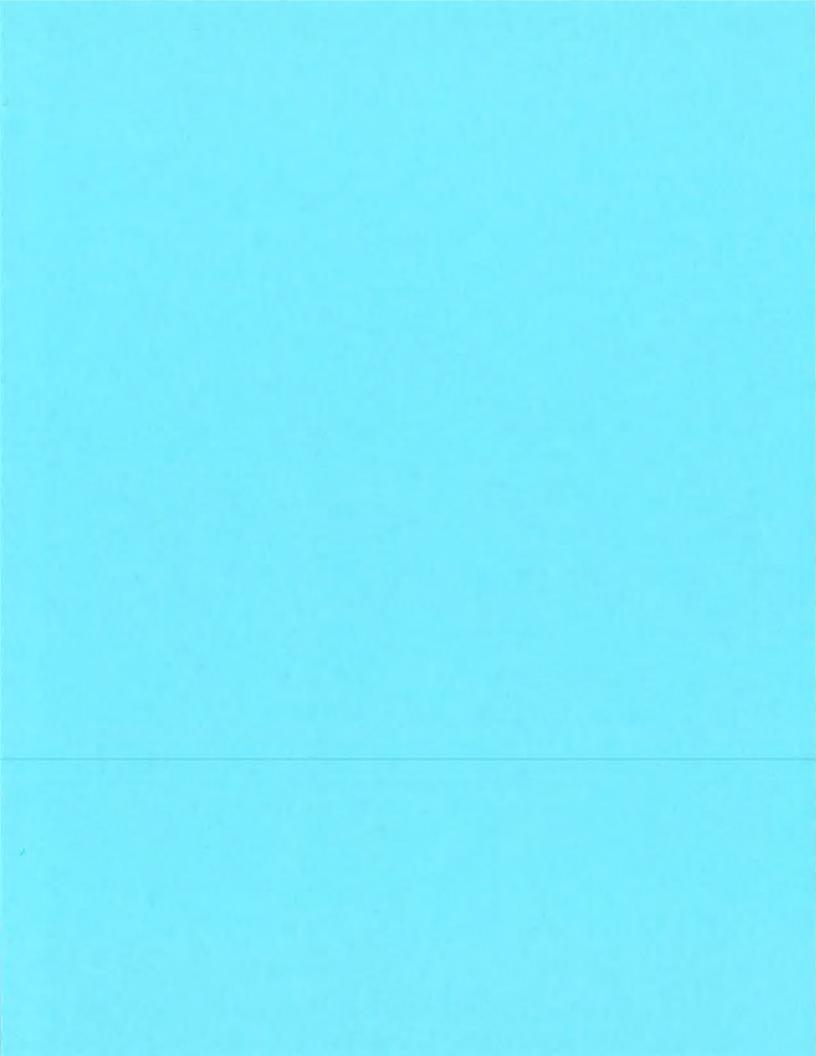
<u>Continuing Calibration (CCAL)</u> - The continuing calibrations exhibited acceptable percent difference (%D) and RRF values.

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.



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: 055240.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	59	U	58	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	58	υ	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: <u>460-203699-1</u>			
Matrix: Solid	Lab File ID: 055240.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	υ	58	10
10061-02-6	trans-1,3-Dichloropropene	58	JUJ	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

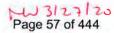
CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100	_	80-150
2037-26-5	Toluene-d8 (Surr)	106		80-141
1868-53-7	Dibromofluoromethane (Surr)	114		80-140
460-00-4	4-Bromofluorobenzene	117		80-144

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#### 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-02 (02242020)	Lab Sample ID: 460-203699-2			
Matrix: Solid	Lab File ID: 055241.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	1	240	68
79-34-5	1,1,2,2-Tetrachloroethane	240	U	240	46
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	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

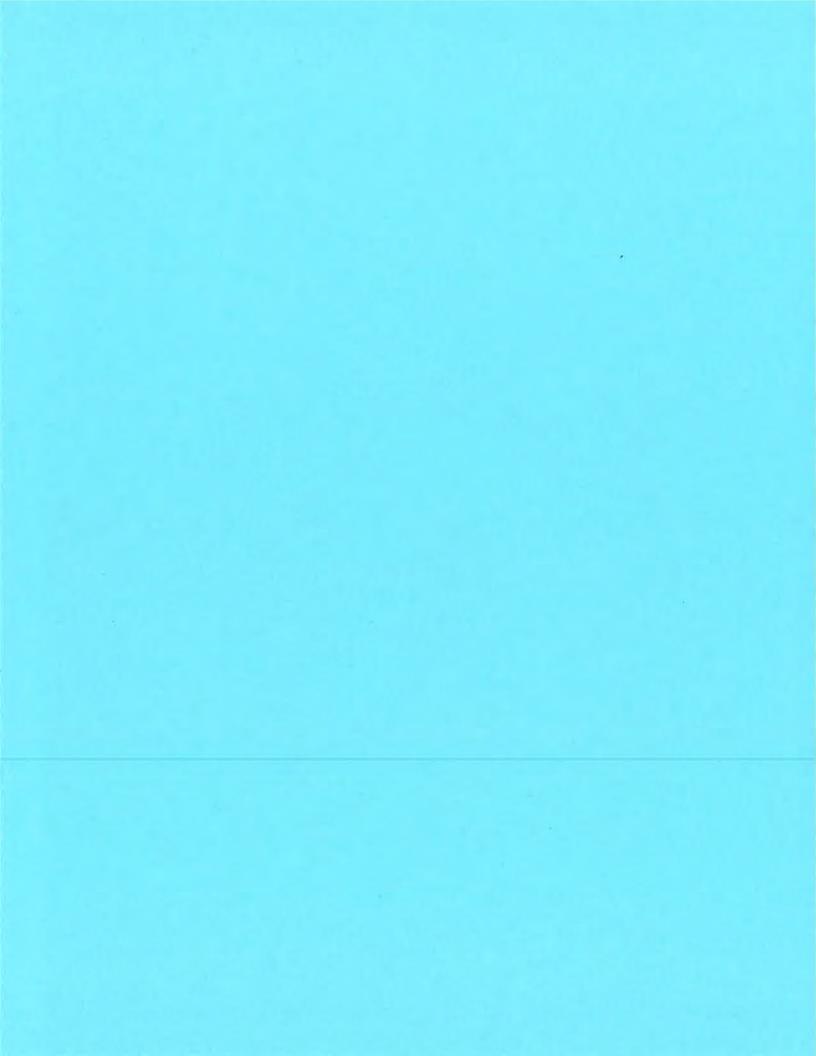


#### FORM I GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison	Job No.: 460-203699-1			
SDG No.:				
Client Sample ID: JS-Culvert-EP-02 (02242020)	Lab Sample ID: <u>460-203699-2</u>			
Matrix: Solid	Lab File ID: 055241.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	υ	240	31
108-87-2	Methylcyclohexane	240	U	240	53
75-09-2	Methylene Chloride	240	U	240	51
100-42-5	Styrene	240	υ	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	υ	240	44
10061-02-6	trans-1,3-Dichloropropene	240	FUT	240	46
79-01-6	Trichloroethene	15000		240	53
75-69-4	Trichlorofluoromethane	240	υ	240	77
75-01-4	Vinyl chloride	240	υ	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	1.1.	80-144



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	υ	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 U	38	10

#### 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
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

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
<pre>% Moisture: 12.8 GPC Cleanup:(Y/N) N</pre>	
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	υ	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

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	PhenoI	380	U	380	14
129-00-0	Pyrene	380	υ	380	9.4



### DATA USABILITY SUMMARY REPORT (DUSR)

Site: Arnold & Porter, Hoosick, New York

Date: March 27, 2020

SDG : <u>460-203777-1</u>

Laboratory: Test America, Edison, New Jersey

ED\$	Client	Laboratory	Matrix
Sample ID	Sample ID	Sample Numbers	matta
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

<u>Note (s)</u>: 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.

<u>Surrogate Spikes</u> - 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.

<u>Continuing Calibration (CCAL)</u> - 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%	IJ	2, 3, 4, 6
	trans-1,3-Dichloropropene	20.7%	UJ	particular (particular)
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.

<u>Sample Analysis</u> - 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.

<u>Continuing Calibration (CCAL)</u> - 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%	UI	

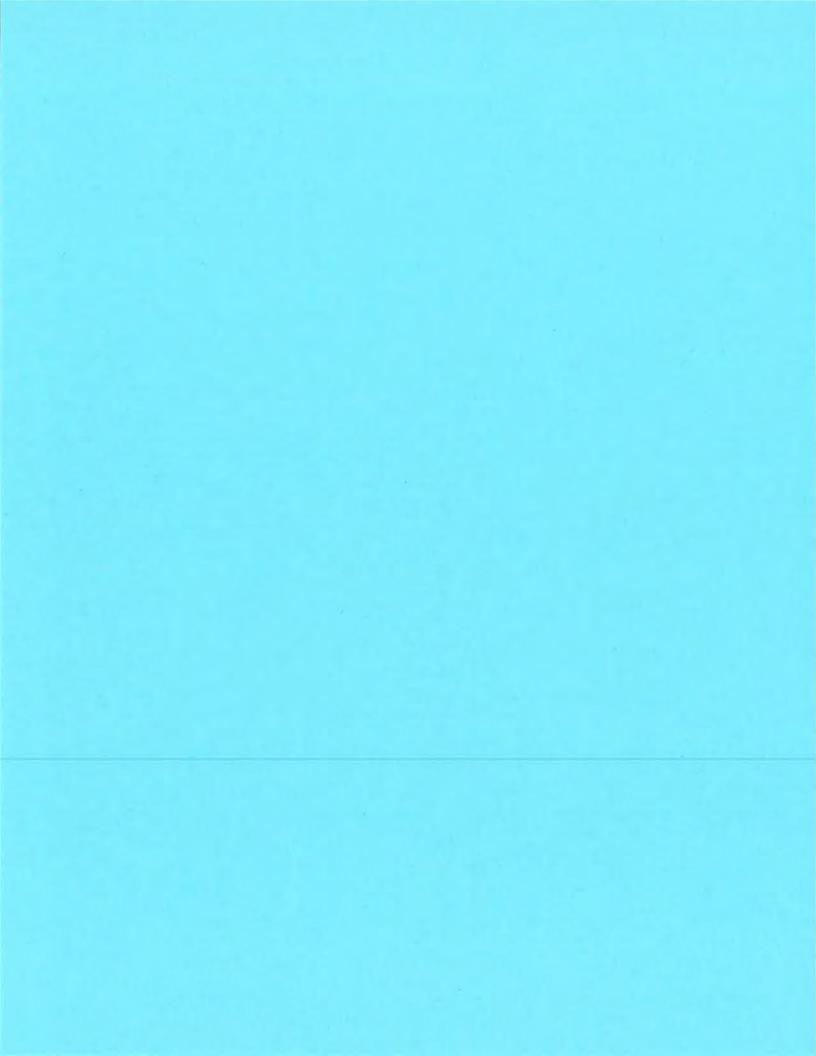
Internal Standard (IS) Area Performance - All internal standards met area response and retention time (RT) criteria.

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.



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-trifluoroethan e	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	υ	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	0.1
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	1.0
67-64-1	Acetone	6.3	U	6.3	6.0
71-43-2	Benzene	1.0	U	1.0	0.2
75-25-2	Bromoform	1.0	U	1.0	0.4
74-83-9	Bromomethane	1.0	U	1.0	0.50
75-15-0	Carbon disulfide	1.0	U	1.0	0.2
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	0.5
67-66-3	Chloroform	1.0 0.61	JBU	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.4
156-59-2	cis-1,2-Dichloroethene	1.6		1.0	0.1
110-82-7	Cyclohexane	1.0	U	1.0	0.2
75-27-4	Bromodichloromethane	1.0	U	1.0	0.2
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.3
100-41-4	Ethylbenzene	1.0	U	1.0	0.2
106-93-4	1,2-Dibromoethane	1.0	U	1.0	0.1
98-82-8	Isopropylbenzene	1.0	υ	1.0	0.1

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)			
<pre>% Moisture: 9.8</pre>	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

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: 055223.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-trifluoroethan e	230	KUJ	230	77
79-00-5	1,1,2-Trichloroethane	77	8-	230	18
75-34-3	1,1-Dichloroethane	360	Ĩ	230	55
75-35-4	1,1-Dichloroethene	190	4	230	60
120-82-1	1,2,4-Trichlorobenzene	230	υ	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	υ	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	5	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

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: 055223.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	4 5	230	82
108-88-3	Toluene	210	31	230	57
156-60-5	trans-1,2-Dichloroethene	84	3	230	41
10061-02-6	trans-1,3-Dichloropropene	230	PUJ	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	U.	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

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: 055221.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-trifluoroethan e	45	y 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

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: 055221.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	FUT	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	υ	91	13
10061-01-5	cis-1,3-Dichloropropene	45	U	45	10
100-42-5	Styrene	45	υ	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

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: 055222.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	1	58	16
79-34-5	1,1,2,2-Tetrachloroethane	58	υ	58	11
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethan e	58	アルフ	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

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: 055222.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	FUT	58	11
79-01-6	Trichloroethene	16000		58	13
75-69-4	Trichlorofluoromethane	58	υ	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	υ	58	13
100-42-5	Styrene	58	υ	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

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: 055253.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-trifluoroethan e	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	5
100-41-4	Ethylbenzene	180	U	180	5!
106-93-4	1,2-Dibromoethane	180	U	180	3!
98-82-8	Isopropylbenzene	180	U	180	59

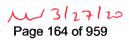
Lab Name: Eurofins TestAmerica, Edison	Job No.: 460-203777-1
SDG No.:	
Client Sample ID: JS-Culvert-EP-07 (02262020)	Lab Sample ID: 460-203777-5
Matrix: Solid	Lab File ID: 055253.D
Analysis Method: 8260C	Date Collected: 02/26/2020 12:15
Sample wt/vol: 7.292(g)	Date Analyzed: 03/04/2020 17:08
Soil Aliquot 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	υ	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	YUJ	180	35
79-01-6	Trichloroethene	29000	1 0.5	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

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: 055226.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-trifluoroethan e	500	Yuj	500	170
79-00-5	1,1,2-Trichloroethane	170	85	500	40
75-34-3	1,1-Dichloroethane	500	υ	500	120
75-35-4	1,1-Dichloroethene	500	υ	500	130
120-82-1	1,2,4-Trichlorobenzene	500	υ	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	υ	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	υ	500	200
156-59-2	cis-1,2-Dichloroethene	250	2J	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	υ	500	96
98-82-8	Isopropylbenzene	500	U	500	160

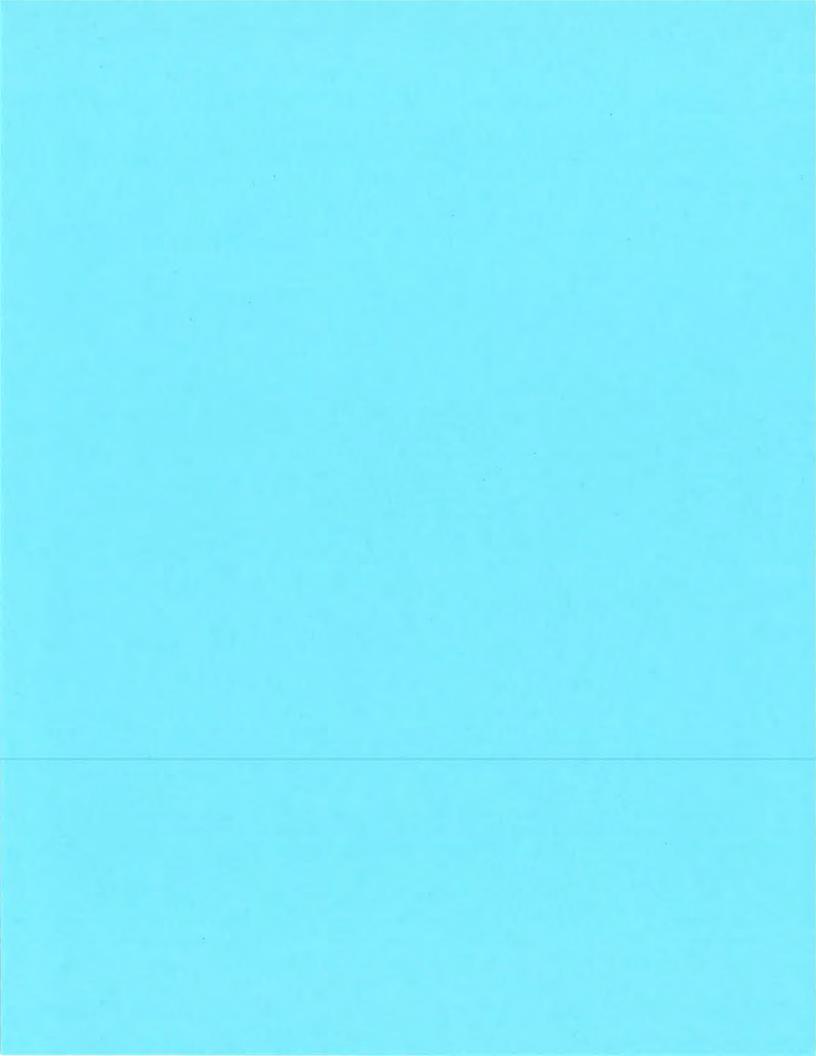


Lab Name: Eurofins TestAmerica, Edison	Job No.: 460-203777-1
SDG No.:	
Client Sample ID: JS-Culvert-EP-08 (02262020)	Lab Sample ID: 460-203777-6
Matrix: Solid	Lab File ID: 055226.D
Analysis Method: 8260C	Date Collected: 02/26/2020 12:30
Sample wt/vol: 6.081(g)	Date Analyzed: 03/03/2020 16:55
Soil Aliquot Vol: 5 (mL)	Dilution Factor: 500
Soil Extract Vol.: 5(mL)	GC Column: DB-624 ID: 0.18 (mm)
<pre>% Moisture: 9.2</pre>	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	υ	500	110
127-18-4	Tetrachloroethene	500	U	500	180
108-88-3	Toluene	600	T	500	130
156-60-5	trans-1,2-Dichloroethene	500	υ	500	91
10061-02-6	trans-1,3-Dichloropropene	500	NUT	500	96
79-01-6	Trichloroethene	37000	J	500	110
75-69-4	Trichlorofluoromethane	500	U	500	160
75-01-4	Vinyl chloride	500	υ	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	υ	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 ]	CH	80-144

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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	υ	74	26
91-58-7	2-Chloronaphthalene	370	U	370	17
95-57-8	2-Chlorophenol	370	υ	370	13
91-57-6	2-Methylnaphthalene	11	J	370	10
95-48-7	2-Methylphenol	370	υ	370	14
88-74-4	2-Nitroaniline	370	VUT	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	υ	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	υ	370	18
120-12-7	Anthracene	370	υ	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

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	υ	370	19
85-68-7	Butyl benzyl phthalate	370	y uj	370	17
105-60-2	Caprolactam	370	U	370	57
86-74-8	Carbazole	370	υ	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	υ	370	5.3
131-11-3	Dimethyl phthalate	370	υ	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	υ	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

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	υ	150	23
105-67-9	2,4-Dimethylphenol	360	υ	360	16
51-28-5	2,4-Dinitrophenol	290	υ	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	υ	360	10
95-48-7	2-Methylphenol	360	U	360	14
88-74-4	2-Nitroaniline	360	YUJ	360	14
88-75-5	2-Nitrophenol	360	U	360	36
91-94-1	3,3'-Dichlorobenzidine	150	υ	150	55
99-09-2	3-Nitroaniline	360	υ	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	υ	360	20
106-47-8	4-Chloroaniline	360	U	360	25
/005-/2-3	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	υ	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

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	4 47	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	υ	360	19
206-44-0	Fluoranthene	30	J	360	13
86-73-7	Fluorene	360	υ	360	4.9
118-74-1	Hexachlorobenzene	36	υ	36	17
87-68-3	Hexachlorobutadiene	73	U	73	7.7
77-47-4	Hexachlorocyclopentadiene	360	υ	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	υ	360	6.9
87-86-5	Pentachlorophenol	290	υ	290	74
85-01-8	Phenanthrene	360	υ	360	6.4
108-95-2	Phenol	360	U	360	13
129-00-0	Pyrene	16	J	360	9.0

Lab Name: Eurofins TestAmerica, Edison	Job No.: 460-203777-1
SDG No.:	
Client Sample ID: JS-Culvert-EP-05 (02262020)	Lab Sample ID: <u>460-203777-3</u>
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	W UT	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	υ	360	25
7005-72-3	4-Chlorophenyl phenyl ether	360	υ	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	10
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

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	y uT	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.(
87-86-5	Pentachlorophenol	290	υ	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

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	υ	150	24
105-67-9	2,4-Dimethylphenol	370	U	370	16
51-28-5	2,4-Dinitrophenol	300	υ	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	UUJ	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	υ	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	110	U	150	9.5
100-52-7	Benzaldehyde	370	υ	370	16
56-55-3	Benzo[a]anthracene	2400		37	13
50-32-8	Benzo[a]pyrene	1800		37	10

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	VUJ	370	18
105-60-2	Caprolactam	370	υ	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	υ	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

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	υ	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	υ	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	υ	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	FUJ	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	υ	300	61
101-55-3	4-Bromophenyl phenyl ether	380	υ	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	Benzolalanthracene	28	J	38	13
50-32-8	Benzo[a]pyrene	14	J	38	10

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	yuj	380	18
105-60-2	Caprolactam	380	υ	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	υ	380	67
117-84-0	Di-n-octyl phthalate	380	υ	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

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	υ	150	47
120-83-2	2,4-Dichlorophenol	150	υ	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	Y UT	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	υ	360	14
59-50-7	4-Chloro-3-methylphenol	360	U	360	20
106-47-8	4-Chloroaniline	360	υ	360	25
/005-/2-3	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 8270D

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	υ	36	13
117-81-7	Bis(2-ethylhexyl) phthalate	53	J	360	19
85-68-7	Butyl benzyl phthalate	360	YUT	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	υ	360	5.3
131-11-3	Dimethyl phthalate	360	υ	360	83
84-74-2	Di-n-butyl phthalate	360	υ	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	υ	36	13
193-39-5	Indeno[1,2,3-cd]pyrene	75		36	14
78-59-1	Isophorone	150	υ	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

<b>IN I LD</b> Infrastructure		
NEW YORK LEAK DETECTION, INC. PO Box 269, Jamesville, NY 13078 315-469-4601 info@nyld.com		
Date(s) on site: 2-3-20		
Technician: Steve Carney	Other Technicians on site:	
Customer: ERM Consulting & E	ngineering, Inc.	
<u>Site Address</u> : Hoosick Falls, NY	,	
Contact Person: Tim Daniluk	<b>Phone</b> : 315-317-2	2044
Scope of Work: Clear utilities fo	r 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
	mark all that apply	
<u>Type of Equipment Used</u> :	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
🗌 Таре	Updated Onsite Mapping	Other

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### Field Report – Utility Location

Site Access/Safety Training: N/A	Expiration Date: N/A	
Ground Cover/Weather Conditions: Ove	rcast / 30's	
Instructions from Onsite Contact: Clear	utilities for the area highlighted belo	W
Information Transfer:		
	In addition to this field report, mark all that apply:	
Information relayed on site to:	Hand drawn sketch	Maps updated onsite
Tim Daniluk		
	Photographs	Surveyed by others
	Surveyed and AutoCAD Ma	pping 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.

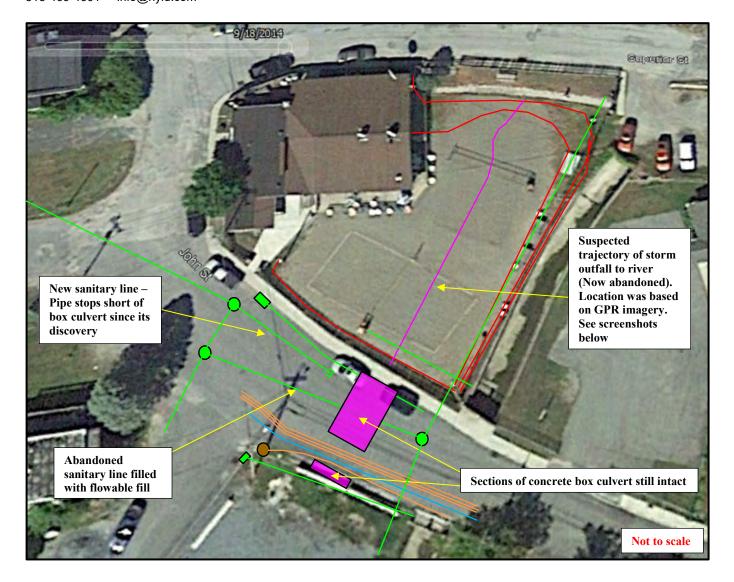
Utilities were painted in appropriate color, depths provided where possible.

# This report is back up to information relayed and marked on site at time of service. It is for informational purposes only.



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### Field Report – Utility Location



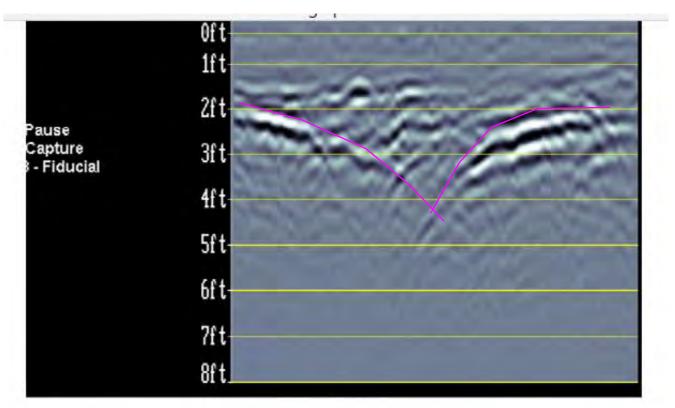
Blue	Water
Red	Power
Orange	Communications
Yellow	Gas/Flammable Fuel
White	Unknown
Green	Storm/Sanitary
	Utility pole

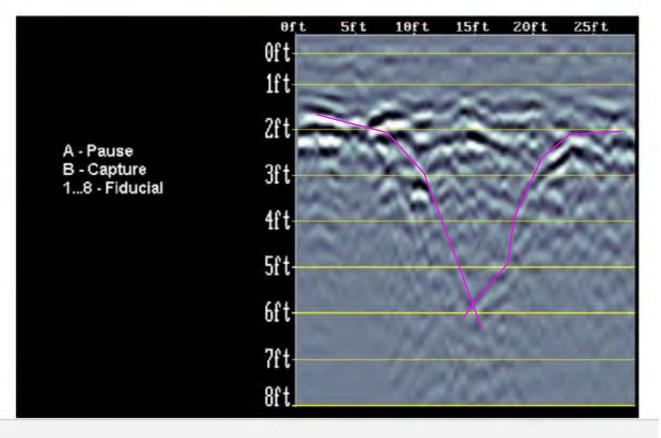
NEW YORK LEAK DETECTION, INC. PO Box 269, Jamesville, NY 13078 315-469-4601 info@nyld.com

### Field Report – Utility Location

4

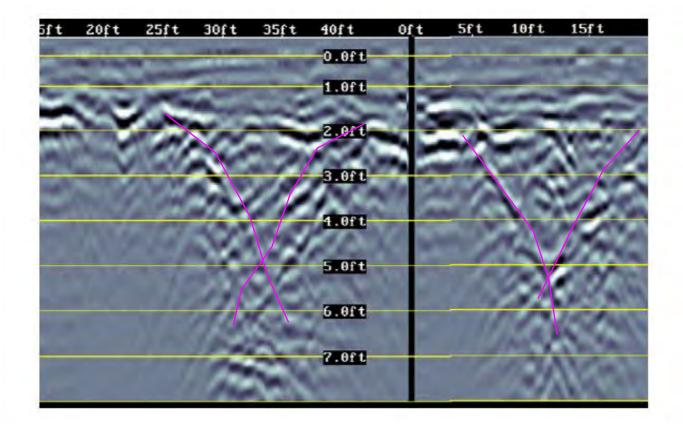
### GPR imagery on Sand bar property of abandoned storm outfall to river

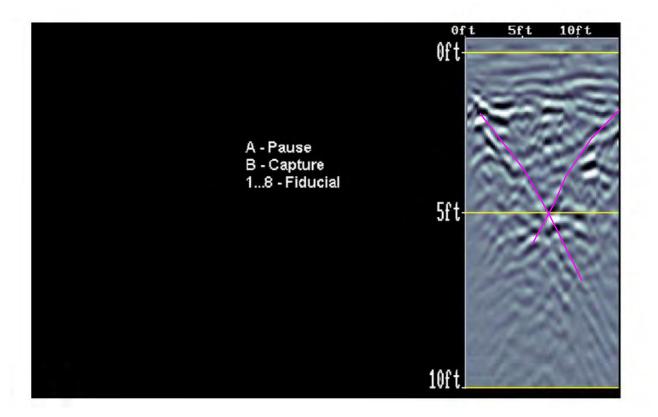




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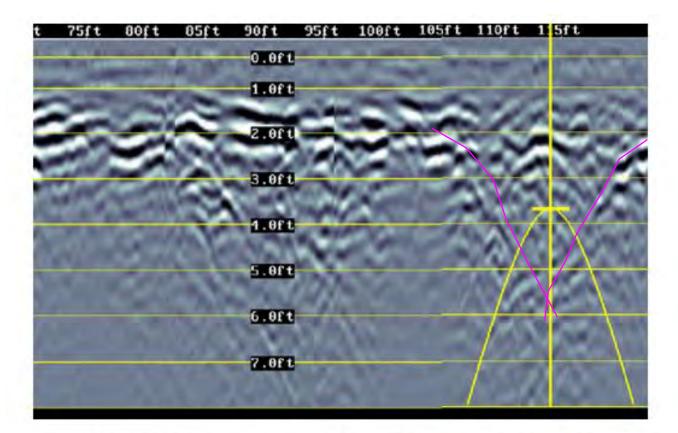
### Field Report – Utility Location

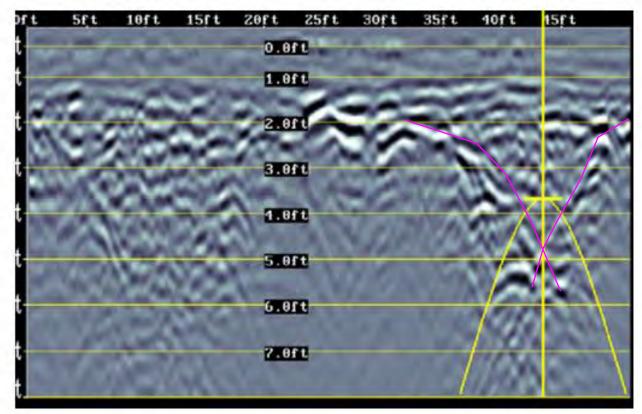




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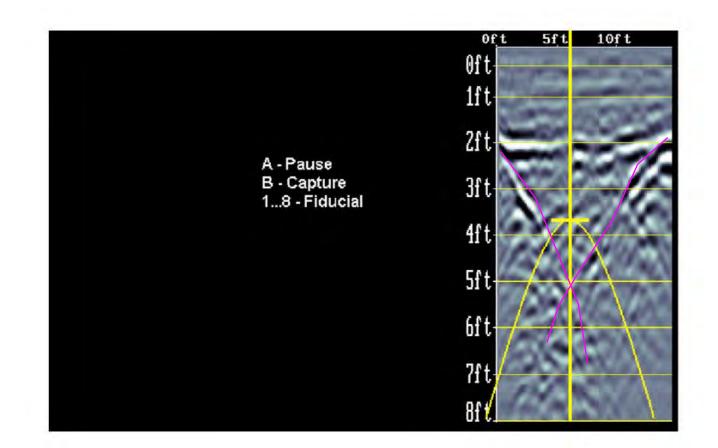
### Field Report – Utility Location







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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

	2		axess Road; Su e, New York 11		3			OS-SCB- PAGE 1	
EI	RM		ione: +1 (631)		<del>)</del> 00				
		nold & Po						Project Name: Hoosick Falls	[
-		mber: 0	378075 Parratt Wolff, Inc				GROUI	Project Location:         Hoosick Falls, New York           ND ELEVATION:         430.00 feet amsl         SAMPLE TYPE:         GRAPHIC LOG LEGEND	
		D: 2/3/2020		<u> </u>				IING: 799511.4701 Vacuum Clearance/ Poorly-graded r⊡ Poorly-	graded
		TED: 2/3/20						NG: 1484322.088	
	_	K. Popyack H. Usle	k/ K. Warner		<u> </u>			DEPTH: 26.2 feet bgs Direct Push Gravelly Sand Gravelly Sand Gravel	with Silt
DRILLI	ING METH	HOD(S): V	/actor/ Hand Auger/						
NOTES	3: <u>Geop</u>	probe® 6712	2DT. Ground eleva	ation esti-	mated fr	rom elev	vation co	ntours. 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	(mqq) CII
		VC/HA	-			SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA						20	0.0
	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
	425.0	VC/HA						5.0	0.0
						GP		Brown, GRAVEL, and subrounded coarse sand, (0.5-1.5" diameter), quartz vein, rock	0.0
		DP		16	44			lenses, poorly sorted, loose, damp.	0.3
7.5	422.5	$\square$							0.2
						SP		Dark Brown To Light Brown, COARSE SAND, little silt, loose, moist.	0.2
	420.0	$\forall$	OS-SCB-001 (9-11)				• • ()	90	0.2
_ 10.0_	420.0	DP	(02032020) for VOCs and SVOCs	28	58		, <sub>0</sub> 0		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
 	417.5	DP		26	54			14.0	0.1
15.0	415.0			20	54	SP		Brown, SANDY GRAVEL, subrounded to subangular (0.5-2" diameter), poorly sorted, loose, wet.	
	ONYM LE	EGEND:	amsl = above PID = photoic VOCs = volat	onization	n detecto	or; SCB =	= stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	



ERM 105 Maxess Road; Suite 316

(mqq)

0.1

0.2

0.2

0.5

0.5

0.0

Me	5 Maxess Road; Se Iville, New York 11 Iephone: +1 (631)	747				PAGE 2
Client: Arnold &		100 00				Project Name: Hoosick Falls
Project Number						Project Location: _Hoosick Falls, New York
DEPTH (feet) ELEVATION (feet amsi) SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
	OS-SCB-001 (14-16) (02032020) for VOCs and SVOCs					
	DP	3	6	SP		Brown, SANDY GRAVEL, subrounded to subangular (0.5-2" diameter), poorly sorted, loose, wet. <i>(continued)</i>
	QP	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. 24.0
	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.
						Bottom of Boring @ 26.2 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.

	9		axess Road; Su e, New York 11		3			OS-SCB- PAGE 1	
EI	RM	Telepho	one: +1 (631)	756-89	<del>)</del> 00				
		nold & Po						Project Name: Hoosick Falls	
		mber: <u>0</u>	378075 Parratt Wolff, Inc				CROU	Project Location:         Hoosick Falls, New York           ND ELEVATION:         430.00 feet amsl         SAMPLE TYPE:         GRAPHIC LOG LEGEND	
		D: 2/3/2020						HING: 799508.7299	
		TED: 2/3/20						NG: 1484302.384	6
		K. Popyack H. Usle	/ K. Warner					Direct Push Cravelly Sand	
			actor/ Hand Auger	/ Direct F	Push				
NOTES	<b>S</b> : <u>Geo</u>	probe® 6712	2DT. Ground eleva	ation esti	mated fr	rom elev	vation co	ntours. 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	(udd) CId
		VC/HA				SP		Brown, FINE SAND, mesh sheet at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), some 2.0 orange mottling and guartz fragments, poorly sorted, loose, damp.	0.0
		VC/HA		60	100			Dark Brown, COBBLES, and subrounded medium to coarse sand, few boulders (6"	0.0
	F -	VC/HA				SP		diameter), poorly sorted/ well graded, loose, damp. 4.0	0.0
5	425	VC/HA					0 0		0.0
		$\backslash$				SP	$\sim$	Dark Brown To Gray, COARSE SAND, and subrounded gravel, (0.5-2" diameter), 2 inch	0.0
		DP		19	53		• O	quartz fragment from 7 to 8 feet bgs, poorly sorted, loose, damp.	0.0
		/ \					• ()	8.0	0.0
L _	L _	$\mathbf{M}$					Ø		0.2
10	420		OS-SCB-002	17	35			Brown To Gray, COARSE SAND, and subrounded to subangular gravel, (0.5-2" diameter),	0.0
		Д	(8-10) (02032020) for VOCs and			SP		interbedded gray gravel and coarse sand, cobbles at 12 feet bgs (3" diameter), poorly sorted, loose, damp.	0.0
L _			SVOCs			-	<u>ہ</u> 0		0.0
	L _	\_				L	$\circ$	13.0	0.0
				44	92	SP	0	Brown To Gray, COARSE SAND, and subrounded gravel, (0.5-1.5" diameter), some orange	0.0
15	415	$\Lambda$	OS-SCB-002 (14-16)				ه ر م	mottling and quartz fragments, well graded, loose, damp.	0.2
		/ \	(02032020) for VOCs and SVOCs			SP		Brown, COARSE SAND, well sorted, loose, wet.	0.0
		$\mathbf{M}$	0,0003			SP	ە ن م	Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-2" diameter),	0.0
L _	L _			48	100		$\mathcal{O}$	interbedded layers of moisture, poorly sorted, loose, dry to moist. 18 <u>.0</u>	0.0
L _	L _	$\Lambda$					<u>،</u> 0:		0.0
20	410					SP	<u>,</u> ∘ .⊖	Brown, COARSE SAND, some subangular gravel, (0.5-1.5" diameter), poorly sorted/ well graded, loose, wet.	0.0
		NA I				L	Ø	21.0	1.0
		DP		48	100		¢ .₀. (∖		0.0
		Д	OS-SCB-002 (22-24)	-		SP	0	Brown, COARSE SAND, and subangular gravel, (0.5-2" diameter), refusal at 24 feet bgs, poorly sorted, loose, wet.	0.0
		/ \	(02032020) for VOCs and SVOCs				<u>ہ</u> 0	24.0	0.0
25	405	_						Bottom of Boring @ 24.0 feet bgs	
L -	L _								
ACR	ONYM L	EGEND:	amsl = above PID = photoio VOCs = volat	onization	detecto	r; ŠCB	below gr = stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	

FI		Melville	axess Road; Su e, New York 11 one: +1 (631)	747				OS-SCB- PAGE 1	
Clier	nt Arr	' Iold & Po	( )					Project Name: Hoosick Falls	
		nber: 0						Project Location: Hoosick Falls, New York	
			Parratt Wolff, Inc				GROU	ND ELEVATION:         430.00 feet amsl         SAMPLE TYPE:         GRAPHIC LOG LEGEND	
		0: 2/4/3030						ING: 799499.5002 Vacuum Clearance/ Sand Doorly-graded Cobble	rs and s
			/ K. Warner					IG:     1484266.297       DEPTH:     23 feet bgs	graded
	_	H. Usle						TER: _ 2 inches FN Poorly-graded	Glavel
			actor/ Hand Auger			om elev	vation co	Gravel Gravel Gravel	
DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	(mdd) CId
		VC/HA				SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), small fragment of red brick, poorly sorted, loose, damp. 2.0	0.0
	427.5	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						4.0	0.0
	425.0	VC/HA				SP		Dark Brown, COARSE SAND, and subrounded gravel, (0.5-2" diameter), poorly sorted, loose, damp.	0.0
		DP		17	47	GP		6.0 Dark Brown, SANDY GRAVEL, subrounded to subangular (0.5-1" diameter), poorly sorted,	0.0
 _ 7.5 _	422.5					 GP		loose, moist. 7.0	0.0
						SP		8.0 Dark Brown, COARSE SAND, and subrounded gravel, (0.5-1.5" diameter), poorly sorted,	
 	  420.0	DP		26	54	GP		loose, moist. 9.0 Gray, GRAVEL, subrounded (1-2" diameter), gneiss, loose, dry.	0.0
								11.0	- 0.1
    	417.5   415.0	DP		32	67	SP		Dark Brown, COARSE SAND, and subrounded gravel, poorly sorted, wet.	0.0
	ONYM LE	GEND:	amsl = above PID = photoio VOCs = volat	e mean s onization tile orgar	ea level detecto nic comp	; bgs = r; SCB : oounds.	below gr = stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	



ERM 105 Maxess Road; Suite 316 Melville, New York 11747 Telephone: +1 (631) 756-8900

# OS-SCB-003 PAGE 2 OF 2

Client: Arnold & Porter Project Number: 0378075 Project Name: Hoosick Falls

Proje	ct Nur	n <b>ber:</b> _0;	378075					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	(mqq) DIA
			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. <i>(continued)</i>	0.0
						SP	ہ	Brown, COARSE SAND, and subrounded to subangular gravel, (0.5-1.5" diameter), poorly sorted, loose, wet.	0.1
17.5	412.5	DP	OS-SCB-003 (16-18) (02042020) for VOCs and SVOCs	26	75	SP		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
			OS-SCB-003	36	75	SP		Orange, COARSE TO MEDIUM SAND, poorly sorted/ well graded, loose to medium dense, wet.  19.0	0.4
 20.0	410.0		(18-20) (02042020) for VOCs and SVOCs			SP	°. ()	Brown, COARSE SAND, and gravel, dark brown staining at 20 feet bgs, loose to medium dense, wet. 20.0	0.4
		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
22.5	407.5	-				SP	ہ ہے ی ہ	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. 23.0	0.2
								Bottom of Boring @ 23.0 feet bgs	
25.0	405.0	-							
27.5	402.5	_							
30.0	400.0	_							
ACRO	ONYM LE	GEND:	amsl = above PID = photoic VOCs = volat	onization	detecto	r; SCB :	= stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	

	9	Melville	axess Road; Su e, New York 11	747				OS-SCB- PAGE 1	
EI	RM	Telepho	one: +1 (631)	756-89	900				
Clier	nt: <u>Ar</u>	nold & Po	rter					Project Name: Hoosick Falls	
		mber: <u>0</u>						Project Location: Hoosick Falls, New York	
		TRACTOR: D: 2/4/2020	Parratt Wolff, Inc	<b>)</b> .				ND ELEVATION:     430.00 feet amsl     SAMPLE TYPE:     GRAPHIC LOG LEGEND       IING:     799487.1367     The output of the second sec	e and
		TED: 2/4/2020						IG: 1484233.544 Hand Auger Sand Solution Solution	s anu S
			/ K. Warner					Direct Push Gravelly Sandy S	Silt
CHEC	KED BY:	H. Usle					DIAME	TER: <u>2 inches</u>	
			actor/ Hand Auger						
NOTES	5: <u>Geo</u>	probe® 6712		ation esti	mated f		vation col	ntours. 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	(mqq)
		VC/HA				SP		Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA				SP		Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), poorly 2 0 sorted, loose, damp.	0.0
		VC/HA		60	100			Dark Brown, COBBLES, and subrounded medium to coarse sand, few boulders (6"	0.0
		VC/HA				SP		diameter), poorly sorted/ well graded, loose, damp. 4.0	0.0
_ 5 _	425	VC/HA				SP		Dark Brown, COARSE SAND, little subrounded gravel, (0.5-2" diameter), poorly sorted, 5.0 loose, damp.	0.0
		$\mathbf{M}$					0		4.0
		DP		15	42				0.0
		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.	0.0
		DP		38	79	-	<ul> <li>○</li> <li>○</li></ul>	13.5	0.0
_ 15 _	_415_	A		00	10	ML		Gray, SANDY SILT, compact, wet, orange brown mottling. 15.0	0.9
				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	$\wedge$	OS-SCB-004 (18-20) (02042020) for			ML		18.5 Brown, SILT, gray clay near 20 feet bgs, firm, cohesive, wet. 20.0	0.4
			VOCs and SVOCs					Bottom of Boring @ 20.0 feet bgs	
_ 25 _	405					L			
ACR	ONYM L	EGEND:	amsl = above PID = photoio VOCs = vola	onization	detecto	or; SCB :	= stream	pund surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	

	9	ERM 105 Ma	axess Road; Su	uite 316	3			OS-SCB- PAGE 1	
EI	RM		e, New York 11 one: +1 (631)		900				
Clier	<b>it:</b> <u>Ar</u>	nold & Po	rter					Project Name: Hoosick Falls	
Proje	ect Nu	mber: _0;	378075					Project Location: Hoosick Falls, New York	
			Parratt Wolff, Inc	<b>)</b> .				EVATION: 430.00 feet amsi SAMPLE TYPE: GRAPHIC LOG LEGEND	
		D: 2/4/2020 TED: 2/4/20					NORTHING:	799473.5     Vacuum Clearance/     Poorly-graded       1484217.002     Hand Auger     Sand	raded Sand
			/K.Warner					TH: _20 feet bgs Direct Push Silty Cla	iy
		H. Usle					DIAMETER:		
			actor/ Hand Auger 2DT. Ground eleva			rom elev	ation contours	s. 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	(mqq)
		VC/HA				SP	1.0	Brown, FINE SAND, mesh at 1 foot bgs, moderately sorted, loose, damp.	0.0
		VC/HA							0.0
		VC/HA							0.0
		VC/HA							0.0
		VC/HA		96	100	SP		Brown To Light Brown, COARSE SAND, few subrounded gravel, (0.5-2" diameter), poorly	0.0
_ 5 _	_425_	VC/HA						sorted, loose, damp.	0.0
		<u>}} [</u>							
		VC/HA							0.0
		)) VC/HA				<u> </u>	8.0		0.0
		DP	OS-SCB-005 (8-10) (02042020) for VOCs and SVOCs	30	63	SP	0 0 0 0	Dark Brown, GRAVELLY SAND, subrounded to subangular (0.5-2" diameter), brick fragments, rubber band, poorly sorted, loose, wet.	24.6
		$\mathbb{N}$	OS-SCB-005 (10-12) (02042020) for			SP	<u>11.0</u>	Brown FINE TO MEDILIM SAND well sorted loose to medium dense wet	37.1
			VOCs and SVOCs			SP	0	Brown, COARSE SAND, and subangular and subrounded gravel, poorly sorted, loose, wet.	0.0
 _ 15 _				36	75	SP	16.0	Gray, FINE SAND, well sorted, dense, wet.	0.0
			OS-SCB-005 (16-18)			GP	0.17.5	Brown, SANDY GRAVEL, subangular and subrounded (0.5-1.5" diameter), poorly sorted, loose, wet.	0.0
		DP	(02042020) for VOCs and SVOCs	34	71	CL- ML	19.0	Brown, SILTY CLAY, medium plasticity, wet.	
 20	410	/ \				CL- ML	20.0	Gray, SILTY CLAY, low plasticity, wet.	0.0
_ 20								Bottom of Boring @ 20.0 feet bgs	
  _ 25 _ ACR(	  405_ DNYM L	EGEND:	PID = photoi	onization	detecto	or; SCB :	below ground	surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; inel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	
			VOCs = vola	tile orgar	nic comp	oounds.			

EI		Melvil	1axess Road; Su le, New York 11 hone:  +1 (631)	747				OS-SCB- PAGE 1	
Clier	nt: Ar	nold & P	orter					Project Name: Hoosick Falls	
			0378075					Project Location: _Hoosick Falls, New York	
-			: Parratt Wolff, Inc				GROU	TOJECT LOCATION: 100310K Tails, New TOK     SAMPLE TYPE: GRAPHIC LOG LEGEND	
		D: 2/5/202						IING: Y99452.4081 Vacuum Clearance JS Silty Clay	
DATE	COMPLE	TED: 2/5/	2020				EASTI	NG: 1484174,129	
LOGG	ED BY:	K. Popya	ck/ K. Warner				TOTAL	DEPTH: _17.68 feet bgs Direct Push	
		H. Usle					DIAME	TER: _2 inches	
			Vactor/ Hand Auger				ation co	ntours. 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	(mqq) DIA
  <u>- 5</u>  	    	vc						Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description	NM
   	420	DP	OS-SCB-006 (14.85-16.26) (02052020) for VOCs and SVOCs +				mm	Closed piston angled drilling to 14.85 feet bgs. Soils not logged for description	NR
		M	Duplicate OS-SCB-006						5.3
		DP	(16.26-17.68) (02052020) for	32	95	CL- ML		Gray, CLAYEY SILT, low plasticity, wet.	
	† -	VV	VOCs and SVOCs					17.68	4.6
				1				Bottom of Boring @ 17.68 feet bgs	
    	    405							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.	
ACR	ONYM L	EGEND:	amsl = above PID = photoio VOCs = vola	onization	detecto	or; SCB =	below gr = stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	

FI		Melville	axess Road; Su e, New York 11 one: +1 (631)	747				OS-SCB- PAGE 1	
Clien	nt: Ar	nold & Pc						Project Name: Hoosick Falls	
		mber: _0						Project Location: _Hoosick Falls, New York	
-			Parratt Wolff, Inc				GROU	ND ELEVATION:         430.00 feet amsl         SAMPLE TYPE:         GRAPHIC LOG LEGEND	
		D: 2/5/2020						HING: 799466.0867 []] Vacuum Clearance Gravelly Sand	
		TED: 2/5/2 K. Popyacl	v/K.Warner					NG:	
	-	H. Usle						TER: _2 inches	
			actor/ Hand Auger			rom ala	ration on	ntours. Northing and easting derived from field GPS unit.	
NOTES	<b>3.</b> _ <u>Geo</u>								
DEPTH (feet)	ELEVATION (feet amsl)	SAMPLE TYPE	SOIL SAMPLE NUMBER(S)	RECOVERY (inches)	RECOVERY %	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	(mqq) DIG
  <u>- 5</u>  	   	vc						Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description	NM
        	     	DP	OS-SCB-007 (1768-20.51)					Closed piston angled drilling to 17.68 feet bgs. Soils not logged for description	NR
 20 _		DP	(02052020) for VOCs and SVOCs	18	53	SP	\$ \$ \$ \$ \$	Brown, GRAVELLY SAND, loose, wet.	2.5
	  							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.	
25 ACRO	405 ONYM L	EGEND:	amsl = above PID = photoio VOCs = volat	onization	detecto	r; SCB :	l below gr = stream	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million; channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	<u> </u>

EI		Melville	axess Road; Su e, New York 11 one: +1 (631)	747				OS-SCB- PAGE 1	
Clier	nt: Ar	nold & Po	rter					Project Name: Hoosick Falls	
		mber: 0						Project Location: Hoosick Falls, New York	
-			Parratt Wolff, Inc				GROU	Same         Same <th< td=""><td></td></th<>	
		D: 2/5/2020						HING: 799460.877	
DATE	COMPLE	TED: 2/5/20	020				EASTI	NG: 1484188.797	
LOGG	ED BY:	K. Popyack	/ K. Warner				TOTAL	DEPTH: 17.68 feet bgs	
		H. Usle					DIAME	TER: _2 inches	
			actor/ Hand Auger				ation co	ntours. 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	DID (mdd)
	      	VC	OS-SCB-008 (14.85-16.26) (02042020) for VOCs and SVOCs		REC			Vacuum Clearance and Air Knife conducted from 0 to 8 feet bgs. Soils not logged for description.  8.0  Closed piston angled drilling to 14.85 feet bgs. Soils not logged for description.  14.85	NM
		DP	OS-SCB-008 (16.26-17.68) (02042020) for	32	94	CL		Gray, CLAY, medium plasticity, wet.	5.3
	+ -	/ \	VOCs and SVOCs					17.68	4.6
	<u> </u>							Bottom of Boring @ 17.68 feet bgs	
    	    405							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.	
		EGEND:	amsl = above	e mean s	ea level	; bgs = l	below gr	ound surface; GPS = global positioning system; NM = not measured; NR = no recovery; ppm = parts per million;	
			PID = photoio VOCs = volat	onization	detecto	r; SCB =	= stream	channel boring; SVOCs = semi-volatile organic compounds; USCS = Unified Soil Classification System;	

## APPENDIX D CULVERT EXCAVATION PHOTO LOG







Photograph:3Mark out Overview – Photo taken from sidewalk of John Street property<br/>facing Church St (ESE).





# John Street Culvert Investigation

Date: 03 - 05 February 2020



**Photograph:** 5 Angle Boring – Photo taken from sidewalk along John Street property as crew prepare angle soil boring beneath culvert (NNW).





## John Street Culvert Investigation

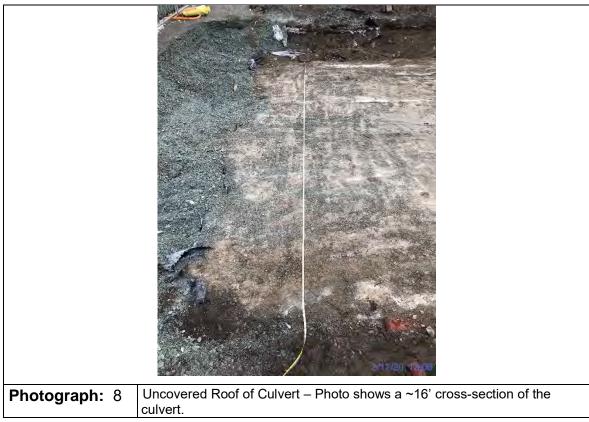
Date: 03 - 05 February 2020

Photograph: 6	Angle Boring – Photo taken from sidewalk along John Street property as
	crew begin angle soil boring beneath culvert (NNE).



Date: 03 - 05 February 2020











Photograph: 10 Excavator begins removing solids from previously backfilled excavation (SSE).



## John Street Culvert Remedial Action



Photograph: 11 Debris being removed from previously backfilled excavation (SSE).



Photograph: 12 Steel rebar 6" apart maintain culvert roof structural integrity.



#### John Street Culvert Remedial Action

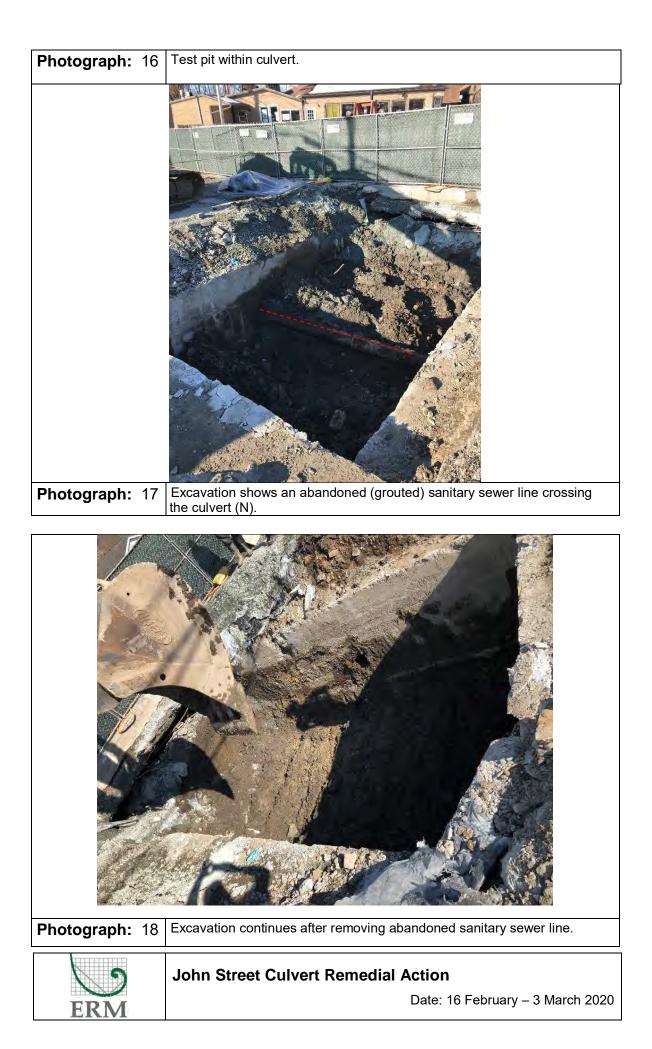




Photograph:	14	Plywood was placed beneath roof sections as they were removed to prevent concrete chunks falling into underlying solids within culvert.
Photograph:	15	Photo shows communications conduit approximately 2' below ground surface crossing through culvert.







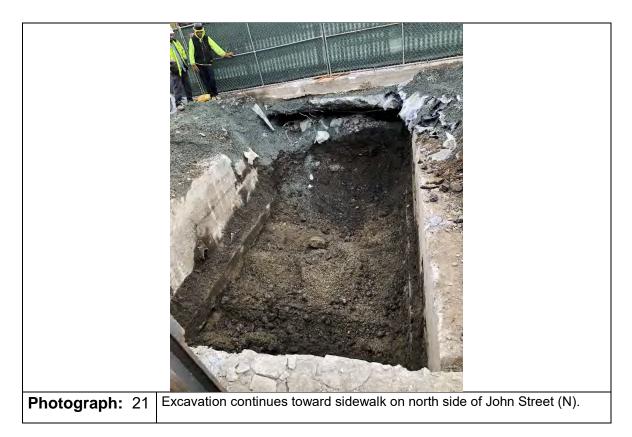


**Photograph:** 19 Photo looking downward at wall and footing of culvert.



ERM

## John Street Culvert Remedial Action





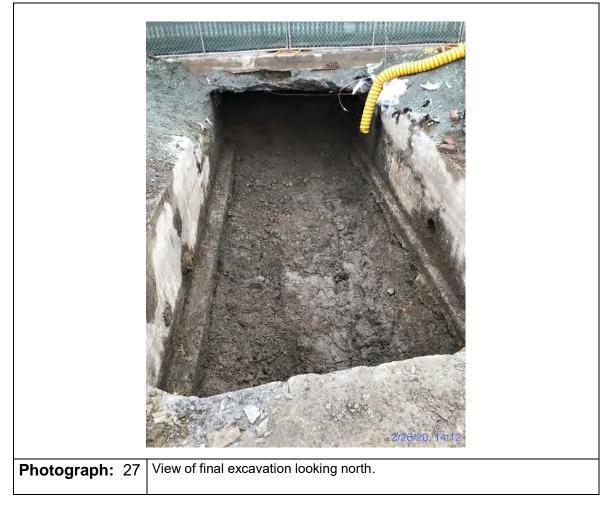
















Photograph: 29 Excavator backfilling culvert (SSE).





## John Street Culvert Remedial Action





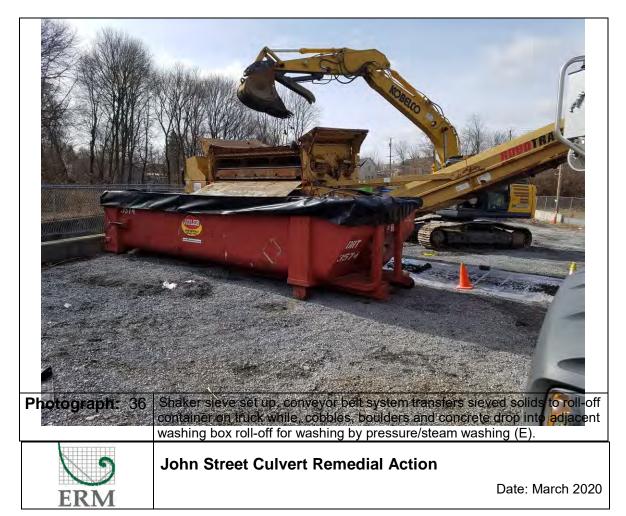








**Photograph:** 35 Shaker sieve in operation, conveyor belt system transfers sieved solids to roll-off container on truck (E).









Date: May 2020

APPENDIX E WASTE DISPOSAL MANIFESTS & CERTIFICATES OF MANAGEMENT

10000 n-1	int or two														
↑ UNII	int or type. FORM HAZARD	ous <sup>1. G</sup>	enerator ID Nu	Imber		2	2. Page 1 of	3. Emerge	ncy Response	Phone	4. Manifest	Tracking I		_	
	ASTE MANIFES		VYD9806 dress	546434			1	Generator's	00) 326 Site Address	(if different th	an mailing addee		2552		VA
1	15 IABUR	RD -	1	· · · · ·	LATOS			HONE 3 LY	YWELL MAN ST	INTL	INC / EF	ÑC CI	HRISTO	DOULA	ТО
Gene	ORRIS PL.	AINS, (973)	NJ 079 ) 455-28	950 377			1	HOOS	ICK FA	LLS. N	VY 12090	)			
6. Tra	ansporter 1 Compa	ny Name		· · ·					10010	·	U.S. EPA ID I	Number			
7. Tra	EPACO	ny Name			9		1. A.A.	<u></u>	. teránez	<u></u> .		86194	4306.		
╎└╌ӊ	ERITAGE signated Facility N	TRONS	ORT LL	<u> </u>							1		6116		
											U.S. EPATD1	Number	7224	194 W -	
12 E	ERITAGE 250 SAIN AST LIVE ty's Phone:	T GEOI RPOOL	RGE ST	ŪNĪT'1 3920-34	61				i na a		OHD9	80613	3541		
9a.	1 · · · · · · · · · · · · · · · · · · ·				, Hazard Class, ID	D Number,			10. Contain	iers	11. Total	12. Unit	7		
НМ	and Packing Gr	oup (if any))							No.	Туре	Quantity	Wt./Vol.	13	. Waste Cod	es T
	9, PGIII TRICHLO	АЗО77, (TRI( ROETH	HAZARI CHLOROE INE), (F	OUS WA	STE, SOL 1,1,1- = 10LBS	LID, N	.0.5. #171	<b>y</b> '	· 1	CM	15	Т	- <del>F002</del>		
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	3.											<u> </u>			
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	6. Transporter 1 Company Name	)					U.S. EPA ID N	lumber			
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	HERITAGE THEF	RMAL SERVICES, INC. EORGE ST UNIT 1 DL, OH 43920-3461 DO\545-7655	, <del>.</del> .		· .	AL ST	онрэ.	80613	:541	***	
	9a. 9b. U.S. DOT Descriptio HM and Packing Group (if ar	n (including Proper Shipping Name, Hazard Class, ID Number, ny))			10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	s
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DESIGNATED FACILITY			٠						:	1	ĺ
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	20. Designated Facility Owner or Printed/Typed Name	r Operator: Certification of receipt of hazardous materials cover		fest exce nature	pras noteor in Item	118a			Мо	nth Day	/ Year
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ease print or type. UNIFORM HAZARDOUS 1. Generator ID Number 2. Pa WASTE MANIFEST NYD980646434	age 1 of 3. Emerg	ency Response		4. Manifest	Tracking N	m Approved. Of lumber 25524	VB NO.
5. Generator's Name and Mailing Address HONEYWELL / ERIC CHRISTODOULATOS 115 TABOR RD MORRIS PLAINS, NJ 07950 (973) 455-2877	Generator HONE 3 L \ HDDS	's Site Address EYWELL MAN ST	(if different the INTL I LLS, N	an mailing addres NC / ER IY 12090	IC CH	HRISTODO	ULA
6. Transporter 1 Company Name HEPACO	<b>_</b>			U.S. EPAID	Number 186194	4306	
7. Transporter 2 Company Name HERITAGE TRANSPORT LLC				U.S. EPAID N			
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. EPAID N			
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↑	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST NYD980646434	2. Page 1 of 3	Emergency Response (800) 326-		4. Manifest		umber 255 <b>2</b> 4	5 W/	45
	5. Generator's Name and Mailing Address HUNE YWELL / ERIC CHRISTODOULAT 115 TABOR RD MORRIS PLAINS, NJ 07950 (973) 455-2877 Generator's Phone:	US	enerator's Site Address ( HONEYWELL 3 LYMAN ST HOOSICK FAL GEN: 15870	INTL I _LS. N	NC / ER	IC CH	RISTOD	OULATO	)S
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	9a. 9b. U.S. DOT Description (including Proper Shipping Name, Hazar HM and Packing Group (if any))	d Class, ID Number,	10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13. W	laste Codes	
<b>GENERATOR</b> -	X RQ, NA3077, HAZARDOUS WASTE 9, PGIII, (TRICHLOROETHENE, 1, TRICHLOROETHANE), (FOO2 RQ =	, SOLID, N.O.S., 1,1- 10LBS),ERG#171	1	CM	15	Т	F002		
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	BUA NUMBER	ition for transport according to applicab terms of the attached EPA Acknowled 2.27(a) (if I am a large quantity genera	fully and accurately des le International and natio gment of Consent. tor) or (b) (if I am a smal	cribed above anal governme I quantity gene	ental regulations. erator) is true.	ipping name	e, and are class	m the Primary	ed,
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INT'L	16. International Shipments Import to U.S.	Export from U.S.		-					
۲ N	Transporter signature (for exports only): 17. Transporter Acknowledgment of Receipt of Materials		Date leavin	ıg U.S.:	· · · ·				+
PORTE	Transporte-Printed/Typed Name	Signati		~	-11	7	Mont		Year
TRANSPORTER	Transporter 2 Printed/Typed Name	Signat	usin ,	M	Å		Mont	h Day <b>3 23</b>	Year 2 D
1	18. Discrepancy Qual 18a. Discrepancy Indication Space Quantity	Wênt disange	Residue	<u>, Jac</u>	Partial Réje	ection	<u>م</u> [	Full Rejection	on
 ≻	Eta 59420 Eut 3360 18b. Alternate Facility (or Generator)	0 Net 2582	-Quanifest Reference	Number:	U.S. EPA ID N	lumber			
FACILI	Facility's Phone:				1				
DESIGNATED FACILITY	18c. Signature of Alternate Facility (or Generator)	<i>.1</i> 4					Mon	th Day	Year
DESIG	19. Hazardous Waste Report Management Method Codes (i.e., codes for h 1. 2. 40.60	nazardous waste treatment, disposal, a 3.	nd recycling systems)	7	4.				
	HO4O 20. Designated Facility Owner or Operator: Certification of receipt of hazard	dous materials covered by the manifest	t except as noted in Item	/ 18a					++
	Printed/Typed Name			$\overline{\mathcal{A}}$	$\sim$		Mont	th Day	Year 20
EPA	Form 8700-22 (Rev. 12-17) Previous editions are obsolete.		DESI	GNATED	FACILITY	TO EPA	's e-MAN	FEST SY	STEM
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↑	UNIFORM HAZARDOUS	1. Generator ID Number		Ì	rgency Response		4. Manifest			e 14	
	WASTE MANIFEST 5. Generator's Name and Mailir	NYD980646434	1		800) 326- or's Site Address (				2552		
	HONEYWELL /	ÉRIC CHRISTODOULATOS		HON	EYWELL ]	INTL IN	IC / ER	ЇС СН	RISTO	OULAI	TOS 🛛
-	MORRIS PLAIN			3 L HOO	YMAN ST SICK FAL	LS. NY	12090	•			
	Generator's Phone: (9	73) 455-2877		GEN	: 158704	4					
	6. Transporter 1 Company Nam						U.S. EPAID N	lumber			
	HEPACO 7. Transporter 2 Company Nam	n an	an an an an		وريائيت وريبوني	e de la companya de la	U.S. EPAID N	86194	306		
	HERITAGE TRA 8. Designated Facility Name an	d Site Address					U.S. EPAID N	58484 Jumber	114		·
senter anti-s	HERITAGE THE	RMAL SERVICES, INC. EDRGE ST UNIT 1					0000	00543	<b>F</b> / 4		
· ·	EASI LIVERPU	UL, UH 43920-3461		-1-1-1-1-1-1 	يحيط بالمراجع والمراجع	مرجاب المتحاط		80613	<b>341</b>	• •	
2	Facility's Phone: 6						İ		r		
	9a. 9b. U.S. DOT Descripti HM and Packing Group (if a	on (including Proper Shipping Name, Hazard Class, ID Number, any))			10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	ś
	1	m k				Type	Quantity	TTETO,			
TOR	X RQ, NA30	77, HAZARDOUS WASTE, SOLID, RICHLOROETHENE, 1,1,1-	N.O.S.	÷	$\{r_i\}_{i\in I} \in 1_{i\in I}$	CM	15	T	E005		
ERA:	TRICHLOROE	THANE), (FOO2 RD = 10LBS), EF	RG#171	ي بل يد الله							
GENERATOR	2.										
1		a start and the second s	,								
	3.									,	
	1 1										
	4.										
	14. Special Handling Instruction	ns and Additional Information				I				· · ·	8
	1.009 W11 Q14	85234 T#13845768 LDR	÷								
		11 IS AN ESTIMATE									
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	marked and labeled/placa	rded, and are in all respects in proper condition for transport acc	cording to appli	cable inte	mational and natio						
		contents of this consignment conform to the terms of the attache nimization statement identified in 40 <u>CFR</u> 262,27(a) (if I am a larg				l quantity gener	ator) is true.		+ M	8847	2
	Generator's/Offeror's Printed/Ty	ped Name A & Agen, to VE A meaning			1 100	$\overline{(1)}$	5	7	Mor		
₹		antes man			gr or it	su	ncen	ر	0	<u>327</u>	120
INT'L	16. International Shipments	/ Import to U.S.	Export from U	J.S	Port of entr						
	Transporter signature (for expo 17. Transporter Acknowledgmen			$\overline{v}$	Date leavin	ig U.S.:				. •	
TRANSPORTER	Transporter 1 Printed/Typed Na	•	Sig	nalure	~	·			Mor	ith Day	Year
<b>POI</b>	Ken	Sears		a/		$\leq$	· ·			127	120
ANS	Transporter 2 Printed/Typed Na	, <b>-</b>	Sig	anure		<b>S1</b> .	_		Mor	ith Day	Year
TF	Christin	na Maisonette		L.	aliza	> 100	ersone	JLe	-15	5 27	120
Î	18. Discrepancy 18a. Discrepancy Indication Spa			Г		Г			·		
	Tea. Discrepancy mulcation op	Quantity Type		L	Residue	L	Partial Rej	ection	L	Full Rej	ection
				М	anifest Reference	Number:					
Т	18b. Alternate Facility (or Gener	rator)					U.S. EPA ID N	lumber			
ACII						1	l				
ΞŪ	Facility's Phone: 18c. Signature of Alternate Faci	ility (or Generator)							Mo	nth Day	/ Year
VATI											
DESIGNATED FACILITY	19. Hazardous Waste Report M	lanagement Method Codes (i.e., codes for hazardous waste trea	alment, disposa	I, and rec	cycling systems)				L		
Ы	1.	2.	3.				4.				
	20 Designated Facility Owner	H040 or Operator: Certification of receipt of hazardous materials cover	rad by the meni	factore	nt as noted in lice	189	I				
	Printed/Typed Name	or operator, octumoation or recerpt or nazaruous materials cover	-	nature	hr as inded in item	100			Мо	nth Day	Year
Ļ	Samu	el Rover	I						14	19	10
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Ple	ase print or type.						For	n Approved.	OMB No.	2050-0039
Î	UNIFORM HAZARDOUS 1. Generator ID Number WASTE MANIFEST NYD980646434	2. Page 1 of 1		gency Response 800) 326-		4. Manifest	Tracking N			/AS
	5. Generator's Name and Mailing Address HONEYWELL / ERIC CHRISTODOULATOS 115. TABOR RD		Generato HON	r's Site Address ( EYWELL YMAN ST	if different that	n mailing addres	ss)			
	MORRIS PLAINS, NJ 07950 Generator's Phone: (973) 455-2877	· · ·	HOO	SICK FAL 158704	_LS, N 4	Y 12090	l			
	6. Transporter 1 Company Name HEPACO					U.S. EPAID N		205		
	7. Transporter 2 Company Name			11 m <sup>2</sup>		U.S. EPA ID N			·····	
	HERITAGE TRANSPORT IIC 8. Designated Facility Name and Site Address HERITAGE THERMOL SERVICES INC			·····		U.S. EPAID N	58484 lumber	114		
	HERITAGE THERMAL SERVICES, INC. 1250 SAINT GEORGE ST UNIT 1 EAST LIVERPOOL, OH 43920-3461 Facilitys Phone: (800) 545-7655					OHD9	80613	541		
	9a.         9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	s
<b>GENERATOR -</b>	X RQ, NA3077, HAZARDOUS WASTE, SOLID, 9, PGIII, (TRICHLOROETHENE, 1,1,1- TRICHLOROETHANE), (F002 RQ = 10LBS), ER	N.O.S., 6#171	g # .	: 1	CM	1.5	T	F002	······	
GENE		CH171								
	3.									
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	14 Special Handling Instructions and Additional Information 1.009 W11 Q1485234 T#13845766 LDR				•					
	WEIGHT IN SEC 11 IS AN ESTIMATE BOX NUMBER	T		0567		T		<b>.</b>		
	IS GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this marked and labeled/placarded, and are in all respects in proper condition for transport account of the second	s consignment a	are tully ar	nd accurately des	cribed above		ipping name	e, and are clas		aged,
	Exporter, I certify that the contents of this consignment conform to the terms of the attached I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a larg	d EPA Acknowle ge quantity gene	edgment o erator) or (	of Consent.	-	-	1	148	850	2
Ţ	Generator's/Offeror's Printed/Typed Name AS Agent for Honly			imes	Vin	cent	ľ	Mor		
INT'L	16. International Shipments Import to U.S. Transporter signature (for exports only):	Export from U	(s. )	Port of entr Date leavin						
		Sign	nature	$\sim$		2		Mor	ith Day	Year
<b>TRANSPORTER</b>	Kan Sears					<u> </u>			31 <i>2</i> :	720
TRAN	Transporter 2 Printed/Typed Name Christing Mouscrette	Sigr		ustino	594	Jaiso	reel			
1	18. Discrepancy greater, The 10 to Weint dia	crepary	õr f	Da Jasa	, Nazni		6-2020			
	Entra 55360 Ent 34200 Net	11160				Partial Reje	ection		Full Reje	ection
È		anou	ма	nifest Reference	Numper:	U.S. EPA ID N	lumber			
FACI	Facility's Phone:									
DESIGNATED FACILITY	18c. Signature of Alternate Facility (or Generator)			,				MC	nth Day	y Year
ESIG	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treat	tment, disposal 3.	l, and recy	cling systems)		4.				
	0	ad by the mar "	faat avaa		190					
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covere Printed/Typed Name		nature	as noted in riem	104			Мо	nth Day	
EP/	A Form 8700-22 (Rev. 12-17) Previous editions are obsolete.		Ź	DESI	GNATED	FACILITY	TO EPA	\'s e-MAl	<u>4   7</u> Nifest (	DO System
		l								

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INFORM HAZARDOUS       1. Generator ID Number       2. Page 1 of 3. Emergency Response Phone       4. Manifest Tracking Number         WASTE MANIFEST       NYD980646434       1       (B00) 326-1221       001025528         S. Generator's Name and Mailing Address       Generator's Site Address (If different than mailing address)       Generator's Site Address (If different than mailing address)       001025528         HONEYWELL       FRIC CHRISTDDDULATDS       Generator's Site Address (If different than mailing address)       HONEYWELL, INTL INC / ERIC CHRISTDD         HONEYWELL       FRIC CHRISTDDOULATDS       JYMAN ST       JYMAN ST       JYMAN ST         MORRIS PLAINS, NJ 07950       HONEYWELL, INTL INC / ERIC CHRISTOD       HONEYWELL, INTL INC / ERIC CHRISTOD         Generator's Phone:       (973) 455-2877       GEN: 158704       US. EPA ID Number         HEPACD       NCD986194306       US. EPA ID Number         HEPACD       NCD986194306       US. EPA ID Number         HERITAGE THERMAL SERVICES, INC.       INDOS56484114       US. EPA ID Number         HERITAGE THERMAL SERVICES, INC.       OHD980613541       OHD980613541         Facilitys Phone:       (BO0) 545-7655       OHD980613541       OHD980613541         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, Mark and Packing Group (if any))       10. Containers	
5. Generator's Name and Mailing Address       Generator's Site Address (if different than mailing address)         HDNEYWELL / ERIC CHRISTODOULATOS       HDNEYWELL INTL INC / ERIC CHRISTOD         115 TABOR RD       J LYMAN ST         MORRIS PLAINS, NJ 07950       HDNEYWELL, INTL INC / ERIC CHRISTOD         Generator's Phone:       (973) 455–2877         6. Transporter 1 Company Name       U.S. EPAID Number         HEPACD       NCD986194306         7. Transporter 2 Company Name       U.S. EPAID Number         HERITAGE TRANSPORT LLC       INDO58484114         8. Designated Facility Name and Site Address       U.S. EPAID Number         HERITAGE THERMAL SERVICES, INC.       INDO58484114         1250 SAINT GEORGE ST UNIT 1       EAST LIVERPOOL, DH 43920–3461         Facility's Phone:       (800) 545–7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM         14.       No.       Type         15.       No.       Type	OULATOS
HBNEYWELL / ÉRIC CHRISTODOULATOS 115 TABOR RD MORRIS PLAINS, NJ 07950 Generator's Phone: (973) 455-2877       HONEYWELL INTL INC / ERIC CHRISTOD 3 LYMAN ST HDDSICK FALLS, NY 12090 GEN: 158704         Generator's Phone: (973) 455-2877       US. EPAID Number         I.S. EPAID Number       U.S. EPAID Number         HEPACD       NCD986194306         7. Transporter 2 Company Name       U.S. EPAID Number         HERITAGE TRANSPORT LLC       IND058484114         8. Designated Facility Name and Site Address       U.S. EPAID Number         HERITAGE THERMAL SERVICES, INC.       IND058484114         1250 SAINT GEORGE ST UNIT 1       OHD980613541         Facility's Phone:       (BO0) 545-7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       11. Total       12. Unit         1.       1.       12. Unit       13. W	
MORRIS PLAINS, NJ 07950 (973) 455–2877       HDDSICK FALLS, NY 12090         Generator's Phone:       (973) 455–2877         6. Transporter 1 Company Name       U.S. EPA ID Number         HEPACD       NCD986194306         7. Transporter 2 Company Name       U.S. EPA ID Number         HERITAGE TRANSPORT LIC       IND058484114         8. Designated Facility Name and Site Address       U.S. EPA ID Number         HERITAGE THERMAL SERVICES, INC.       1250 SAINT GEORGE ST UNIT 1         EAST LIVERPOOL, OH 43920-3461       OHD980613541         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       11. Total       12. Unit         1.       11.       12. Unit       13. W	
Objected to split the colspansion of the colsp	/aste Codes
HEPACO       NCD986194306         7. Transporter 2 Company Name       U.S. EPA ID Number         HERITAGE TRANSPORT LLC       IND058484114         8. Designated Facility Name and Site Address       U.S. EPA ID Number         HERITAGE THERMAL SERVICES, INC.       1250 SAINT GEORGE ST UNIT 1         EAST LIVERPOOL, OH 43920-3461       OHD980613541         Facilitys Phone:       (800) 545-7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       10. Containers       11. Total         1.       1.       11. Total       12. Unit       13. W	/aste Codes
7. Transporter 2 Company Name       U.S. EPA ID Number         HERITAGE TRANSPORT LLC       INDO58484114         8. Designated Facility Name and Site Address       U.S. EPA ID Number         HERITAGE THERMAL SERVICES, INC.       1250 SAINT GEORGE ST UNIT 1         EAST LIVERPOOL, OH 43920-3461       OHD980613541         Facility's Phone:       (800) 545-7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM         1.       No.         Type       Quantity	/aste Codes
8. Designated Facility Name and Site Address       U.S. EPAID Number         HERITAGE THERMAL SERVICES, INC.       1250 SAINT GEORGE ST UNIT 1         EAST LIVERPOOL, OH 43920-3461       OHD980613541         Facility's Phone:       (800) 545-7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       11. Total         1.       1.	/aste Codes
8. Designated Facility Name and Site Address       U.S. EPAID Number         HERITAGE THERMAL SERVICES, INC.       1250 SAINT GEORGE ST UNIT 1         EAST LIVERPOOL, DH 43920-3461       0HD980613541         Facility's Phone:       (800) 545-7655         9a.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       11. Total         1.       1.	/aste Codes
EAST LIVERPUUL, UH 4.3920-3461         Facility's Phone:       (800) 545-7655         ga.       9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM and Packing Group (if any))       10. Containers       11. Total         1.       1.       1.       12. Unit       13. W	/aste Codes
ga.     9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM     10. Containers     11. Total     12. Unit       1.     1.     1.     1.     1.     1.     1.	/aste Codes
ga.     9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, HM     10. Containers     11. Total     12. Unit       1.     1.     1.     1.     1.     1.     1.	Vaste Codes
No. Type Quantity Wt./Vol.	
X RG, NA3077, HAZARDOUS WASTE, SOLID, N.O.S., 9, PGIII, (TRICHLOROETHENE, 1, 1, 1- TRICHLOROETHANE), (FOO2_RG_= 101 BS), FRG#171 2.	
9, PGIII, (TRICHLOROETHENE, 1, 1, 1– TRICHLOROETHANE), (FOO2_R0 = 10/BS), FRG#171 2.	
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14. Special Handling Instructions and Additional Information	
1.009 W11 01485234 T#13845764 LDR   WEIGHT IN SEC 11 IS AN ESTIMATE	
10,09	
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 class	
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 and Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.	m the Primary
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.	h Day Year
	h Day Year 3 30 20
Z Transporter signature (for exports only):	
17. Transporter Acknowledgment of Receipt of Materials       Transporter 1 Printed/Typed Name       Signature       Transporter 2 Printed/Typed Name       Signature       Signature       Mont       Signature       Signature       Mont       Signature       Transporter 2 Printed/Typed Name       Signature       Signature       Mont       Signature       Mont       Signature       Mont	h Day Year
ken Spars	- <u>0</u> 0 N
Transporter 2 Printed/Typed Name Mont	h Day Year
	3 30 20
18. Discrepancy 18a. Discrepancy Indication Space Residue Resi	
Type Residue Partial Rejection Quantity	Full Rejection
Manifest Reference Number:	
18b. Alternate Facility (or Generator) U.S. EPA ID Number	
S Facility's Phone:	
18c. Signature of Alternate Facility (or Generator)     Mon	nth Day Year
18b. Atternate Facility (or Generator)     U.S. EPA ID Number       Facility's Phone:	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)       4.         1       1       1	<u> </u>
H040         20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a	
H040	

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	int or type. FORM HAZARDOUS	1. Generator ID Numbe	er	2.1	Page 1 of	3. Emergency I	Response	Phone	4. Manifest		n Approved. umber	OMB NO.	205
W	ASTE MANIFEST	NYD98064	6434		i	(800	) 326-	-1221	) (	1010	2552	g V	VA
5. Ge H	enerator's Name and Mail ONEYWELL / 15 TABOR RE	ing Address ERIC CHRIS	TODOULATOS			enerator's Site HONEYW 3 LYMA	Address ( ELL N ST	if different the INTL	nan mailing addres INC / ER	XÍC CH	RISTO	DOULA	то
Gene	ORRIS PLAIN erator's Phone:		0 7			GEN: 1	к ға 5870-	_LS, 1 4	NY 12090	)			
	ansporter 1 Company Nar EPACO								U.S. EPA ID I		-		
	ansporter 2 Company Nar	me	An Ang Latin Lang L		• • • • •				U.S. EPA ID N	86194 Number	305		
	ERITAGE TRA									58484	114		
H   1   E	esignated Facility Name a ERITAGE THE 250 SAINT E AST LIVERPO ity's Phone: (8	RMAL SERVI SEORGE ST U	20-3461	n da Maria	÷	1		-	U.S. EPAID I OHD9	180613	541	·.	
9a. HM	9b. U.S. DOT Descript and Packing Group (if	tion (including Proper Shi any))	pping Name, Hazard Cla	ass, ID Number,			0. Contain Io.	ers Type	11. Total Quantily	12. Unit Wt./Vol.	13.	Waste Cod	es
	11.	)77, HAZARDO TRICHLOROET THANE), (FO	US WASTE, S HENE, 1,1,	50LID, N.	0.s.,		1	CM	15	. <b>T</b>	-F002	÷.,	
		<u>THHNE), (FO</u>	<u> 02 RU = 10</u>	<u> </u>	171								
	3.			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>					· · · ·				
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	T• <u>R0</u> ,		<u>\</u>										_
1. WE	Special Handling Instruction	85234 T#13	845762 LDR										
1. WE BO 15.	009 W11 014 IGHT IN SEC X NUMBER GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste mi	+85234 T#13 11 IS AN 12 AN 13 AN 15 AN 16 AN 16 AN 17 AN 18 AN 19	845762 LDR ESTIMATE I hereby declare that the ects in proper condition f nent conform to the term ntified in 40 CFR 262.27(	Tr contents of this con for transport accordin s of the attached EF (a) (if I am a large qu	signment an ng to applica A Acknowled antily gener	e fully and accu ble internationa dgment of Cons rator) or (b) (if I	urately des al and natio sent.	cribed abov onal governn	nental regulations.	nipping name	e, and are cla	am the Prin 64	kage nary
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1	W/	ASTE MANIFEST	1. Generator ID Number NYD980646434	2. Page 1 of 1	(80	1cy Response	-1221		010;	umber 25531	D W	AS
	HU 1	15 TABOR RD DRRIS PLAINS	ERIC CHRISTODOULATOS S, NJ 07950		HONE 3 LYI HOOS	YWELL ) MAN ST (CK FAL	INTL IN LS. NY	mailing addres IC / ER 12090	ÍC CH	RISTO	OULAT	ros
	Gener	rator's Phone: (9)	73) 455-2877		GEN:	158704	+	U.S. EPA ID N	lumber			
	s.HE	EPACO Insporter 2 Company Name		· · ·	· · · · ·				861 <u>9</u> 4	306	-, - A	
	H	ERITAGE TRAN	SPORT LLC						58484	114		
	HE 12 E(	ERITAGE THEF 250 SAINT GE	RMAL SERVICES, INC. CORGE ST UNIT 1 DL. OH 43920-3461			·	1. <u>1</u> . 1		80613	541		
	9a. HM	<u>i</u>	n (including Proper Shipping Name, Hazard Class, ID Numbe	er,	-	10, Contain No.	ers Type	11. Total Quantity	12. Unit Wt./Vol,	13.	Waste Code	s
GENERATOR	<b>X</b>	RQ, NA307 9, PGIII, (TE TRICHLORDE	77, HAZARDOUS WASTE, SOLID, RICHLOROETHENE, 1,1,1- (HANE), (FOO2 R0 = 10LBS), F	N. O. S. RG#171	,	1	СМ	15	Т	F002		
- GENI	•	2.										
		3.						•				
		4.							 			
	14. Sr	pecial Handling Instructions	and Additional Information									
	1.0	009 W11 Q148 IGHT IN SEC	35234 T#13845760 LDR 11 IS AN ESTIMATE				·					
	15. ( 1	GENERATOR'S/OFFEROP marked and labeled/placard Exporter, I certify that the c I certify that the waste mini	B25D S'S CERTIFICATION: I hereby declare that the contents of i ded, and are in all respects in proper condition for transport a ontents of this consignment conform to the terms of the attac mization statement identified in 40 CFR 262.27(a) (if I am a I bed Name AS ASSACTOR FOR HOREWAY	his consignment according to appli hed EPA Acknow arge quantity ger	are fully and cable interna dedgment of perator) or (b) nature	tional and natio Consent. (if I am a smal	cribed above b anal governmen	tal regulations.	ipping name	e, and are class ipment and 1 48 Mor	am the Prim	aged, ary <b>)</b> Year
↓ ピ	16. Inf	ternational Shipments	James Vincent	Export from		Port of enti	//////////////////////////////////////	n		0	4101	20
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ISPO	Trans	porter 2 Printed/Typed Nan	Jars	Sin	nature	l		$\mu_{-}$		Mor	<b>†   〔</b> hth Day	Year
<b>IRAN</b>	ITana	Just	LHTTE			<u>.</u>	h			ነው		20
1	18. Di	screpancy										
	18a. C	Discrepancy Indication Spa	ce Quantity Type			Residue est Reference	[ Number:	Partial Rej	ection		Fuli Rej	ection
Ę	18b. A	Alternate Facility (or Genera	ator)					U.S. EPA ID N	lumber			
FACI	Facilit	y's Phone:						í				
TED		Bignature of Alternate Facili	ty (or Generator)							Mo	nth Day	Year
DESIGNATED FACILITY	19 14	azardous Waste Deport Ma	inagement Method Codes (i.e., codes for hazardous waste tr	eatment disnos	al, and recycli	na systeme)						
DES	19. па 1.	ATTINON MASIC LADOIL MS	2.	3.		-9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -	77	4.				
	20 04	esignated Facility Owner or	H040 Operator: Certification of receipt of hazardous materials cov	vered by the man	ifest excent o	s noted in from	180			<u></u>		
		d/Typed Name			inature		1	1		Mo	nth Day	Year
↓ ED/	Earr	9700 22 (Day 40 47)	ENGHYAH (2)	<u>S</u>					TOFRE	<u> </u>	/ [[6	20
CPF		10100-22 (Rev. 12-17)	Previous editions are obsolete.		$\bigcirc$	DESI	GNAIED	FACILITY	IUEPA	's e-man	112513	SIEM



Generator Mailing Address :

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

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

Generator Site Address :	Gen#: 158704	DOCUMEN.	<b>T</b> : 001025521WA	S
HONEYWELL INTL INC		EPA ID NUMBER	<b>R</b> : NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> : 20-MAR-20	
Wastestream			# Containers	Total Pounds
11 IRM REMC	VAL OF SOIL CONTIAN	IING TCE AND OTHER	1	30,360
		Totals	1	30,360



**Generator Mailing Address :** 

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

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

Generator Site Address :	Gen#: 158704	DOCUMEN	<b>T</b> : 001025520WA	S
HONEYWELL INTL INC		EPA ID NUMBE	<b>R</b> : NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> : 17-MAR-20	
Wastestream			# Containers	Total Pounds
11 IRM REMO	VAL OF SOIL CONTIA	NING TCE AND OTHER	1	24,300
		Totals	1	24,300

5	1	24,300



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMENT : 001025530WAS	
HONEYWELL INTL INC		EPA ID NUMBER : NYD980646434	
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVED : 16-APR-20	
Wastestream		# Containers Total Poun	ds

Vasiestiean	# Containers	TOLAI FOUNUS
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	33,520
Totals	1	33,520



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMENT : 001025529\	WAS
HONEYWELL INTL INC		EPA ID NUMBER : NYD980646	6434
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVED : 17-APR-20	
Wastestream		# Containers	Total Pounds

Vasiesilealli	# Containers	
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	32,940
Totals	1	32,940



27,860

**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

#### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMEN	<b>IT</b> : 001025528WA	S
HONEYWELL INTL INC		EPA ID NUMBE	<b>R :</b> NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> : 10-APR-20	
Wastestream			# Containers	Total Pounds
11 IRM REMO	VAL OF SOIL CONTIAN	NING TCE AND OTHER	1	27,860

	Totals	1



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMENT : 001025527WAS	
HONEYWELL INTL INC		EPA ID NUMBER : NYD980646434	
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVED : 09-APR-20	
Wastestream		# Containers	Total Pounds

	# Containers	Total Founds
11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	21,160
Totals	1	21,160



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUME	<b>NT :</b> 001025526WA	S
HONEYWELL INTL INC		EPA ID NUMB	ER : NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIV	ED : 09-APR-20	
Wastestream			# Containers	Total Pounds

11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	21,500
Totals	1	21,500



Totals

1

25,820

**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

#### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMEN	<b>T</b> :001025525WA	S
HONEYWELL INTL INC		EPA ID NUMBE	R: NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> :04-APR-20	
Wastestream			# Containers	Total Pounds
11 IRM REMO	VAL OF SOIL CONTIAN	IING TCE AND OTHER	1	25,820



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMENT : 001025524WAS
HONEYWELL INTL INC		EPA ID NUMBER : NYD980646434
3 LYMAN ST HOOSICK FALLS,NY 12090		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



**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	DOCUMEN	I <b>T</b> :001025523WA	S
HONEYWELL INTL INC		EPA ID NUMBE	<b>R</b> : NYD98064643	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> : 28-MAR-20	
Wastestream			# Containers	Total Pounds
11 IRM REMO	VAL OF SOIL CONTIAI	NING TCE AND OTHER	1	20,640

Totals 1

20,640



**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUME	NT:001025522WA	S
HONEYWELL INTL INC		EPA ID NUMBI	ER : NYD980646434	4
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIV	E <b>D</b> : 24-MAR-20	
Wastestream			# Containers	Total Pounds

11 IRM REMOVAL OF SOIL CONTIANING TCE AND OTHER	1	33,320
Totals	1	33,320

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Î	i ina	AZMAT BILL OF DING/MANIFEST	1.0fferor's ID Number NYD980646	434	2. Page 1 c 1	of 3. Emergency Respo	6-12217		319	7480-15	119
	5. Offe HO	eror's Name and Mailin NEYWELL / 5 TOBRIR RD	g Address ERIC CHRIST	ODOULATOS	<u></u>	Offeror's Ste Addre HONEYWELL 3 LYMAN S	ess (if different than n INTL INC	nailing address) / ERIC	CHRIST	ODOULAT	OS
ALLER N. A.	MD Offerc	RRIS PLAIN	gAddress ERIC CHRIST 15, NJ 07950 1731455-2877			HOOSICK F	ALLS, NY 04	12090			
	HE	RITAGE TRA	NSPORT LLC					U.S. EPA ID Numbe INDØ584			
	7. Trai	nsporter 2 Company Na	ame					U.S. EPA ID Numbe			
	8. Des HE 12 EA Facilit	signated Facility Name RITAGE THE 50 SAINT G ST LIVERPO ty's Phone; (8)	and Site Address ERMAL SERVIC DEORGE ST UN DDL, DH 4392 DDD 545-7655	ES, INC. IT 1 0-3461				U.S. EPA ID Numbe			
	9a. HM	· · · ·	ption (including Proper Ship		, ID Number,			10. Contai No.	iners Type	11. Total Quantity	12. Unit Wt./Vol.
		1	"/NON-RCRA R	EGULATED	(3×55DA	1)		003		1200	P
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OFFEROR		3.			· .	P			Σ.		
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	13.S 1 - Ø	Special Handling Instruction 109_147_01144	tions and Additional Inform 18720	noite							
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			CATION: I hereby declare t				e by the proper shippi			[13207- kaged,	4601
	Offero	or's Printed/Typed Name James	Vincent	<u>}</u>		plicable international and Signature	1) ·	al regulations.		Month Day	Year 1 20
RTER	15. Tra Transr	porter 1 Printed/Typed N			S	Signature Ito				Month Day	
TRANSPORTER	Trans	JSAN porter 2 Printed/Typed	BELCHER Name		S	Signature	l-3		· · · · ·	Month Day	20 Year
DESIGNATED FACILITY	21 - L - E	iscrepancy									
SNATED	17. De Printe	esignated Facility Owne	er or Operator: Certification	of receipt of hazardous Bi		red by the manifest excep Signature	vt as noted in item 16			Month Day	/ Year
DESK			DOF BURK	F		Sel-	Surly			0508	bo
							Ď	ESIGNATED	FACILITY	'S COPY	



Generator Mailing Address :

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

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
 DOCUMENT : 3197480-15119

 HONEYWELL INTL INC
 EPA ID NUMBER : NYD980646434

 3 LYMAN ST
 DATE RECEIVED : 08-MAY-20

 Wastestream
 # Containers
 T

Wastestream	# Containers	Total Pounds
7 NON-RCRA HAZARDOUS SOIL, DRILLING MUD AND DE	3	974
Totals	3	974

					1	 

	FORM HAZARDOUS		置46434		2. Page 1 of 3. E	Emergency Respor	nse Phone 6-1221	4. Manife	st Tracking	orm Approv g Number 0255	101	WA
5. GU 1 M(	ORRIS PLAIN	10. IV. ()/	950	rus	3	LYMAN S DOSICK F	Т		resi)C (	CHRIST	ODOL	
Gene	erator's Phone:	3/3/400-2	2877		G	EN: 1587	04	147 1203	.0			
	ansporter 2 Company Nar		LC - TS AL	BANY		_	_	U.S. FRAM		4114		
1 C								U.S. EPA ID	Number			
	睡泉和神日の睡 Namele 250 SAINT E AST LIVERPO (8 lity's Phone:	DRNAMMESER SEORGE ST JOL, OH 4 300)545-7	2.37CU-3461					U.S. EPA ID	Number 38061.	3541		
9a. HM	and Packing Group (if	fany))	er Shipping Name, Haza			10. Conta No.	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Co	odes
X	1. RQ, NA30 9, PGIII, (1 TRICHLOROE	077,HAZAR TRICHLORC THANE), (	RDOUS WASTE DETHENE, 1, 1 (10LBS), ERG	, SOLID,	N. D. S. ,		DM	3000	P	F002		
X	2. RQ, NA30 9. PGIII. (1	D77, HAZAR	DOUS WASTE DETHENE, 1, 1 10LBS), ERG	, SOLID,	X550M) N. D. S. ,	90.6	014	an	1	F002		
X	3 RQ. NA.30	ETHANE), (	TOLBS), ERG	#171 (1x	(550M)	001	DM	100	P	r or of the		
X	9, PGIII, (1 TRICHLOROE	TRICHLORC	DOUS WASTE	, 1- RG#171	N. U. S. ,	013	DM	6,500	P	F002		
	9, PGIII, (1 TRICHLOROE	TRICHLORO	DOUS WASTE DETHENE, 1, 1 10 LBS.), E	, LIQUID, $^{1-}_{RG\#171}$ (4	N. O. S.,	004	TP	1000	6	F002		
BO	IX NOMBER				LDR 3.0		ER	I:HERIT		E1	3207	41916
BO 15.	GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the icertify that the waste mi	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen	ON: I hereby declare the respects in proper cond	at the contents of this tion for transport acco	consignment are fully ording to applicable in	and accurately de: ternational and national	ER scribed above onal governme	I:HERIT				
BO 15. Gene	GENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste mine rator's/Offeror's Printed/T James	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen	ON: I hereby declare th respects in proper cond isignment conform to the it identified in 40 CFR 26 Agent to	at the contents of this ition for transport accort terms of the attached 2 27(a) (if Lam a large	consignment are fully ording to applicable in d EPA Acknowledgme le quantity generator) Signatur	r and accurately de ternational and natii nt of Consent. pr (b) (if I am a sma	E R scribed above onal governme	I:HERITA by the proper ship ental regulations. erator) is true.		, and are class orment and I ar Month	ified, pack m the Prim	aged, hary Year
BO 15. Gene 16. In Trans	CENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste min erator's/Offeror's Printed/T James nternational Shipments resporter signature (for expo	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen yped Name yped Name Import t orts only):	ON: I hereby declare the respects in proper cond asignment conform to the the identified in 40 CFR 26 Agent the bours.	at the contents of this ition for transport accor terms of the attached i2.27(a) (if I am a larg thoneyu	consignment are fully ording to applicable in d EPA Acknowledgme le quantity generator) Signatur	r and accurately de ternational and nati nt of Consent. or (b) (if I am a sma port of ent	ER scribed above onal governme II quantity gen	I:HERITA by the proper ship ental regulations. erator) is true.		, and are class oment and I ar	ified, pack m the Prim	hary
BO 15. Gene 16. In Trans	CENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste min erator's/Offeror's Printed/Ty James International Shipments ransporter signature (for expo ransporter Acknowledgmer sporter 1 Printed/Typed Na	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen yped Name 	In the reby declare the respects in proper conduction is granment conform to the the tidentified in 40 CFR 26 Agent for the second seco	at the contents of this ition for transport accor terms of the attached 2.27(a) (if I am a large thoneyu	consignment are fully ording to applicable in d EPA Acknowledgme e quantity generator) Signatur	r and accurately dei ternational and natii nt of Consent. or (b) (if I am a sma	ER scribed above onal governme II quantity gen	I:HERITA by the proper ship ental regulations. erator) is true.		and are class orment and Lar Monti	ified, pack m the Prim Day	Year
BO 15. Gene 16. In Trans	CENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waste min erator's/Offeror's Printed/Ty James nternational Shipments resporter signature (for exportant ransporter Acknowledgmer	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen yped Name Difficult information orts only): nt of Receipt of Mate ime BE	ON: I hereby declare the respects in proper cond asignment conform to the the identified in 40 CFR 26 Agent the bours.	at the contents of this ition for transport accor terms of the attached 2.27(a) (if I am a large thoneyu	Export from U.S.	r and accurately de ternational and nati nt of Consent. or (b) (if I am a sma port of ent	ER scribed above onal governme II quantity gen	I:HERITA by the proper ship ental regulations. erator) is true.		and are class orient and Lar Monti OL Month	ified, pack m the Prim Day	Year Year Year Year
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BO 15. Gene 16. In Trans 17. Tr Trans 18. Dis	CENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waster mini- certify that the waster mini- certify that the waster mini- metric solution of the second management of the second ransporter signature (for expor- ransporter Acknowledgmer sporter 1 Printed/Typed Na TEA AC	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen yned Name Dimport t orts only): nt of Receipt of Mate ime BEC	ON: I hereby declare the respects in proper cond asignment conform to the the identified in 40 CFR 26 Agentte to U.S. wrials	at the contents of this ition for transport accor terms of the attached 2.27(a) (if I am a large thoneyu	Econsignment are fully ording to applicable in d EPA Acknowledgme e quantity generator) Signatur Export from U.S. Signature Signature	r and accurately de ternational and national and nation And and and and and and and and and and a	ER scribed above onal governme il quantity gen Iny/exit: ng U.S.:	I:HERITA by the proper ship ental regulations. erator) is true.	oping name, If export ship	and are class orient and Lar Monti OL Month	ified, pack m the Prim Day	Year Year Year Year Year Year
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BO 15. Gene 16. In Trans 17. Tr Trans 18. Dis 18. Dis 18a. D 18b. All 18a. Sig 9. Hazz	CENERATOR'S/OFFER marked and labeled/place Exporter, I certify that the I certify that the waster mini- certify that the waster mini- ransformer is printed/Typed/Typed/ isporter signature (for expo- ransporter Acknowledgmer sporter 1 Printed/Typed Na IBA AC Sporter 2 Printed/Typed Na Iscrepancy Discrepancy Indication Spa Iternate Facility (or General 's Phone: gnature of Alternate Facility	OR'S CERTIFICATI arded, and are in all contents of this con nimization statemen yned Name Dimport to orts only): Int of Receipt of Mate me BEC acce Quar ator) ty (or Generator) nagement Method ( HÖ4O	ON: I hereby declare in respects in proper cond isignment conform to the it identified in 40 CFR 26 Agent to bo U.S. arials Codes (i.e., codes for ha 2.	at the contents of this ition for transport according terms of the attached 2.27(a) (if I am a large Atoneyu Type	e consignment are fully ording to applicable in d EPA Acknowledgme e quantity generator) ( Signature Signature Signature ( N N nent, disposal, and rei ( ) 3.	and accurately dei ternational and natii to flam a sma port of ent Date leavin Residue Manifest Reference	ER scribed above onal governme II quantity gen IV/exit: Ig U.S.: Ig U.S.: Number: H040	I : HE R I TA	Dping name, If export ship	A and are class coment and I are Month Month Month Month	ified, pack m the Prim Day Day	Year Year 20 Year 20 Year ection

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$\bigcirc$	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.

Authoriz Signatur			Printed Name :	James	Vinc	ent	
Compan Title :		t	Date:	4/17	1		
(1) Manifest Page/Line	(2) Hazardous Waste Code		(3) Vastewaster Or Ion 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	
leachate c leachate, Regulatec	is required for F001-F005 spent solvents, characteristic wastes ronly. For each F001-F005 spent solvent, characteristic waste rec check all constituents listed below and verify that they are approp d Constituents(s) ( Check all that apply ) RICHLOROETHYLENE	quiring ide priate to tl	ntification of und	erlying hazardo identified.			39
1.3 TI	RICHLOROETHYLENE	ן 1.4	RICHLOROET	HYLENE			

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**Generator Mailing Address :** 

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

#### **Certificate of Treatment and Disposal**

Generator Site Address :	Gen#: 158704	<b>DOCUMENT</b> : 001025579WAS
HONEYWELL INTL INC		EPA ID NUMBER : NYD980646434
3 LYMAN ST HOOSICK FALLS,NY 12090		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



A LIMP				the second se				1 910	n Approved.	OND NO.	
= W	ASTE MANIFEST	1. Generator ID Number NYD9806464		2. Page 1 of 1	3. Emergency Response (800) 326		4. Manifest		umber 2555	5 W	AS
M	nerator's Name and Mailin ONEYWELL / 1 15 TABOR RD DRRIS PLAINS rator's Phone: (97	Address ERIC CHRISTO 6, NJ 07950 73)455-2877	IDOULATOS		Generator's Site Address HONEYWELL 3 LYMAN ST HODSICK FA GEN: 15870	INTL	INC / ER	RIC CH	RISTO	DOULA	TOS
6. Tra	nsporter 1 Company Name	3					U.S. EPA ID I				
	EPACO Insporter 2 Company Name	9			<u></u>	~~~~	U.S. EPAID N	86194 Number	306		
8. De	Signated Facility Name and	d Site Address					U.S. EPATD	58484 Number	114		
II.Ef	AST LIVERPOO	RMAL SERVICE EORGE ST UNI JL, OH 43920 D0)545-7655	S, INC. T 1 )-3461				онра	80613	541		
9a. HM		on (including Proper Shippin ny))	ig Name, Hazard Class, II	D Number,	10. Contai No.	iners Type	11. Total Quantity	12. Unit Wt./Vol.	13.	Waste Code	
	RQ, NA307 9, PGIII, (TI	77, HAZARDOUS RICHLOROETHE THANE), (FOO2	WASTE, SOL	ID, N.O.S.,	1.	1, CM	15	т	F002		
GENC	2.				67	-752 (1)					
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(1) Manifest Page/Line	(2) Hazardous Waste Code	-	Wastewaster Or Von Wastewater	Subcategory (If applicable)	Underlying Constituents	Applicable	One Time WS
Manifest	(2) Hazardous Waste Code F002	-	Nastewaster Or	Subcategory		Applicable	Time
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#### LDR3192379-15119

04/01/2020 01:43 PM

1 of 1



Totals

1

8,280

Generator Mailing Address :

ERIC CHRISTODOULATOS HONEYWELL 115 TABOR RD MORRIS PLAINS, NJ 07950 UNITED STATES

#### **Certificate of Management**

Generator Site Address :	Gen#: 158704	DOCUMEN	I <b>T</b> : 001025555WA	S	
HONEYWELL INTL INC	EPA ID NUMBER : NYD980646434				
3 LYMAN ST HOOSICK FALLS,NY 12090		DATE RECEIVE	<b>D</b> :11-APR-20		
Wastestream			# Containers	Total Pounds	
10 RCRA HAZ	1	8,280			

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#### **ERM Melville**

105 Maxess Road Suite 316 Melville, NY, 11747

T: 1 631 756 8900 F: 1 631 756 8901

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