



Newsday
235 Pinelawn Road
Melville, New York 11747

PHASE II LIMITED SUBSURFACE INVESTIGATION

OCTOBER 8, 2018

PREPARED FOR:

Hartz Mountain Industries, Inc.
400 Plaza Drive, P.O. Box 1515
Secaucus, NJ 07096-1515
Attn: Curtis L. Michael

PREPARED BY:

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VERTEX Project No: 52692



October 8, 2018

Hartz Mountain Industries, Inc.
400 Plaza Drive, P.O. Box 1515
Secaucus, NJ 07096-1515
Attn: Curtis L. Michael

**Re: Newsday
 235 Pinelawn Road
 Melville, New York 11747
 VERTEX Project No. 52692**

Dear Mr. Michael:

The Vertex Companies, Inc. (VERTEX) is pleased to submit this Phase II Limited Subsurface Investigation (LSI) report for the above-referenced property (the "site"). The purpose of this investigation was to evaluate subsurface conditions at the site. The potential environmental concerns at the site were documented based on a review of previous environmental reports, New York State Department of Environmental Conservation (NYSDEC) documentation, and information observed during VERTEX's Phase I Environmental Site Assessment (ESA) site visit conducted on September 6, 2018.

The Phase II LSI was conducted in accordance with standard industry protocols and NYSDEC technical guidelines. To the best of our knowledge, this Phase II LSI report is true and accurate.

Please do not hesitate to contact us at your convenience should you have any questions or comments regarding this report or our recommendations. It has been a pleasure working with you on this project.

Sincerely,

The Vertex Companies, Inc.

A handwritten signature in black ink, appearing to read "Patty Plante".

Patty Plante
Senior Project Manager

A handwritten signature in black ink, appearing to read "Chris Cook".

Christopher K. Cook
Senior Project Manager

A handwritten signature in black ink, appearing to read "Timothy Biercz".

Timothy Biercz
Senior Project Manager

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PHASE II LIMITED SUBSURFACE INVESTIGATION

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235 Pinelawn Road
Melville, New York 11747
VERTEX Project No. 52692**

1.0 BACKGROUND INFORMATION

The Vertex Companies, Inc. (VERTEX) was contracted by Hartz Mountain Industries, Inc. to conduct a Phase II Limited Subsurface Investigation (LSI) of the Newsday facility located at 235 Pinelawn Road, Melville, New York (the site). According to the Town of Huntington Assessor's Office, the site consists of two parcels of land totaling 53.17 acres, which are identified as Tax Map Numbers 0400-270.00-01.00-008.001 and 0400-270.00-01.00-024.001. The site is improved with a one- and two-story Newsday facility (main building), a wastewater treatment plant (WWTP) building, and three guard sheds. The main building was constructed in 1978 and 1986 and consists of approximately 523,000 square feet of space. The site location is depicted on Figure 1.

VERTEX completed a cursory review of a Phase I Environmental Site Assessment (ESA) Report and Limited Phase II Site Investigation Report for the property prepared by RPS in 2017 and 2018, as well as various environmental files provided by the New York State Department of Environmental Conservation (NYSDEC). Additionally, VERTEX conducted a Phase I ESA site visit on September 6, 2018, and reviewed and prepared a Draft Phase I ESA report, which is provided under separate cover.

Based on the information reviewed, VERTEX recommended a Phase II LSI be conducted to investigate several areas of concern (AOCs) and recognized environmental conditions (RECs) identified below. In addition, as requested by the Client, VERTEX completed concrete sampling within select areas of the site building in an effort to evaluate potential concrete re-use during site redevelopment.

- The WWTP effluent recharge areas 1 and 2 and related leaching pools. Treatment plant upsets were reported as have effluent contaminant concentrations exceeding the discharge to groundwater permit limitations.
- The hazardous waste storage shed. Only limited previous sampling was performed in this area.
- The location of former underground storage tank (UST) #8, containing industrial wastes, which has not been investigated previously (downgradient investigation).
- A former 2,000-gallon spill containment/solvent UST to the east of the fire suppression pond, which was removed in 1988. No closure documentation associated with this UST was provided.
- Stormwater dry wells located in vented areas of the basement. Staining was noted adjacent to the dry well located in the southern basement area.
- The stormwater dry wells near the southeast corner of the site building that received a discharge of diesel fuel in 2000 and were remediated; however, residual soil impacts remained below one dry well that could not be safely excavated.
- Current and historic operations that may have impacted the soil and groundwater beneath the building slab. The RPS Phase II investigation identified carbon tetrachloride in soil gas at elevated concentrations in the approximate center of the building. The source of the carbon tetrachloride has not been identified and no soil or groundwater samples were collected near this location or hydraulically downgradient of this location.
- The current diesel fuel USTs located on the southern portion of the site.
- Former diesel fuel and gasoline USTs located to the northeast of the fire suppression pond, which were removed in 1986. No closure documentation associated with these USTs was provided.
- General soil quality to determine costs related to special handling, management, and disposal of surplus soil that may be generated during site redevelopment.

2.0 FIELD ACTIVITIES

In general conformance with VERTEX proposal No. P.2303.18, executed by Hartz Mountain Industries, Inc. on August 31, 2018, and in accordance with standard industry protocols and NYSDEC technical guidelines, VERTEX performed a Phase II LSI to evaluate the AOCs and RECs identified in Section 1.0.

The Phase II LSI included the completion of a geophysical investigation, the advancement of 16 soil borings, the installation of seven temporary groundwater monitoring wells, the collection and analysis of 11 soil samples, the collection and analysis of two waste characterization soil samples, the collection and analysis of seven groundwater samples, the collection and analysis of two dry well samples, and the collection and analysis of five concrete samples.

2.1 Utility Clearance and Geophysical Evaluation

Prior to drilling, New York 811 was contacted for public utility location services at the site. In addition, VERTEX retained the services of All Clear Locators (All Clear) of Hampton, New Jersey to perform a geophysical survey to “clear” proposed drilling locations to ensure that they were free of subsurface utilities or structures. All Clear utilized ground penetrating radar (GPR) and electromagnetic (EM) equipment during the surveys. The proposed drilling locations were “cleared” by All Clear on September 7, 2018. Drilling locations were relocated according to subsurface utilities identified during the survey. A geophysical survey of the entire site was not conducted, as this was not part of the scope of work.

The geophysical evaluation identified a subsurface anomaly indicative of a former UST grave located proximal to the current 2,500-gallon No. 2 fuel oil UST located along the western exterior of the site building. The anomaly was approximately 5.0 feet by 8.0 feet and was located in the area that corresponded to the 2,000-gallon solvent tank on building drawings from the early 1980s. This is likely the former location of Tank 5 (2,000-Gallon Solvent/Spill Containment UST).

No other anomalies, indicative of USTs, were identified during the completion of the geophysical survey.

A geophysical report was not prepared; however, VERTEX was on-site during the investigation to confirm the findings.

2.2 Advancement of Soil Borings and Installation of Groundwater Monitoring Wells

From September 10 to 13, 2018, VERTEX oversaw the advancement of 16 soil borings, identified as VTX-1 through VTX-16, to depths between 5 and 55 feet below the ground surface (bgs). The soil borings were advanced by Hawk Drilling, LLC (Hawk Drilling) of Hampton, New Jersey using direct-push (i.e. AMS 9500-VTR®) drilling techniques. Soil boring locations are depicted on Figure 2.

The following table provides a summary of the soil boring completion depth, observed depth to groundwater, and depth of field observations (if any).

Soil Boring Summary Table

Boring ID	Completion Depth (feet bgs)	Groundwater Depth (feet bgs)	Field Observations
VTX-1	15.0	Not encountered	Installed to investigate current and former operations on the interior of the site building. Photoionization detector (PID) readings ranged from 5 to 13 parts per million by volume (ppmv).
VTX-2	15.0	Not encountered	Installed to investigate current and former operations on the interior of the site building. PID readings ranged from 2.9 to 15 ppmv.
VTX-3	15.0	Not encountered	Installed to investigate current and former operations on the interior of the site building. PID readings were <1 ppmv.
VTX-4	15.0	Not encountered	Installed to investigate current and former operations on the interior of the site building. PID readings ranged from 5 to 13 ppmv.

Boring ID	Completion Depth (feet bgs)	Groundwater Depth (feet bgs)	Field Observations
VTX-5	55.0	49.5	Installed to investigate current and former operations on the interior of the site building. PID readings ranged from <1 to 24 ppmv in the top 30 feet of soil. Soil deeper than 30 feet was not screened. A monitoring well was installed to a depth of 55-feet below grade.
VTX-6	5.0	Not encountered	Installed for general soil characterization on the exterior of the site. PID readings ranged from <1 to 4.6 ppmv.
VTX-7	55.0	44.0	Installed to investigate the WWTP effluent recharge areas 1 and 2 on the exterior of the site. PID readings ranged from <1 to 54 ppmv in the top 30 feet of soil. Soil deeper than 30 feet was not screened. A monitoring well was installed to a depth of 55-feet below grade.
TW-8	49.0	45.0	Installed to investigate the WWTP effluent recharge areas 1 and 2 on the exterior of the site. Soil screening and characterization were not completed. A monitoring well was installed to a depth of 55-feet below grade.
VTX-9	15.0	Not encountered	Installed to investigate the hazardous waste storage shed on the exterior of the site. PID readings were <1 ppmv.
VTX-10	49.0	40.0	Installed to investigate the WWTP effluent recharge areas 1 and 2 on the exterior of the site. PID readings ranged from <1 to 3.5 ppmv in the top 30 feet of soil. Soil deeper than 30 feet was not screened. A monitoring well was installed to a depth of 55-feet below grade.
TW-11	49.0	45.0	Installed to investigate the WWTP effluent recharge areas 1 and 2 on the exterior of the site. Soil screening and characterization were not completed. A monitoring well was installed to a depth of 55-feet below grade.
TW-12	55.0	45.0	Installed to investigate current and former operations on the exterior of the site. Soil screening and characterization were not completed. A monitoring well was installed to a depth of 55-feet below grade.
VTX-13	5.0	Not encountered	Installed for general soil characterization on the exterior of the site. PID readings were <1 ppmv.
VTX-14	54.0	44.0	Installed to investigate former UST #8 and dry wells at a former diesel fuel spill area. A monitoring well was installed to a depth of 55-feet below grade.
VTX-15	15.0	Not encountered	Installed to investigate an unknown tank grave, proximal to the area of the former solvent/spill containment UST, located to the west of the site building. PID readings ranged from <1 to 28 ppmv.
VTX-16	15.0	Not encountered	Installed to investigate current diesel fuel USTs and fuel pumps. PID readings ranged from <1 to 37 ppmv.

Soils encountered at the site consisted of concrete, asphalt and sub-base at the surface, followed by fine and coarse sands and silts to boring completion depth.

Seven soil borings were completed as temporary groundwater monitoring wells, identified as TW-5 (VTX-5), TW-7 (VTX-7) TW-8, TW-10 (VTX-10), TW-11, TW-12 (VTX-12) and TW-14 (VTX-14), each set at a depth of approximately 55 feet bgs. The wells were constructed of bottom-plugged 10-foot lengths of 1-inch diameter machine-slotted polyvinyl chloride (PVC) screen followed by PVC riser to grade. Each well was finished with a standard silica sand pack. Groundwater was encountered in the seven temporary wells at depths between 44 and 49 feet bgs.

Following groundwater sample collection, the temporary groundwater monitoring wells were decommissioned by Hawk Drilling by removing the PVC well casing and backfilling the borings with soil cuttings and bentonite chips, as appropriate. Additionally, the ground surface at each boring location was repaired with asphalt or concrete.

2.3 Soil Screening and Sampling

Soil was collected from the soil borings using acetate sleeves beginning at grade to varying depths. Soil samples were screened in the field utilizing a PID equipped with a 10.6 electron volt (eV) lamp for the presence of total ionizable organic volatiles (TOVs). The PID was calibrated with a 100 ppmv isobutylene gas standard to provide readings of TOVs as benzene equivalents. PID readings are not considered actual TOV concentrations in the soil samples but are useful indicators of relative TOV concentrations between locations. Soil samples were selected for laboratory analysis based on the proposed scope of work, field observations, and field screening results. The physical characteristics of the soil samples and the PID field screening results are reported on the boring logs included in Appendix A. The range of TOVs identified during field screening is included in the Soil Boring Summary Table included in Section 2.2.

VERTEX collected discrete grab soil samples from soil borings VTX-1, VTX-2, VTX-3, VTX-4 VTX-5, VTX 7, VTX-9, VTX-10, VTX-14, and VTX-15. In addition, VERTEX collected two composite waste characterization soil samples (WC-1 and WC-2). Sample WC-1 was collected from soil borings VTX-1, VTX-2, and VTX-6. Sample WC-2 was collected from soil borings VTX-4, VTX-13, and VTX-14. The following table provides a summary of the locations of the soil samples collected at the site.

Sample Summary Table

Boring ID	Sample Depth (feet bgs)	Sampling Rationale
VTX-1	2.5-3.0	Shallow soil to evaluate potential impacts from current and former on-site operations. No elevated PID readings, staining, or odors were noted during the investigation.
VTX-2	2.5-3.0	Shallow soil to evaluate potential impacts from current and former on-site operations. No elevated PID readings, staining, or odors were noted during the investigation.
VTX-3	2.5-3.0	Shallow soil to evaluate potential impacts from current and former on-site operations. No elevated PID readings, staining, or odors were noted during the investigation.
VTX-4	2.5-3.0	Shallow soil to evaluate potential impacts from current and former on-site operations. No elevated PID readings, staining, or odors were noted during the investigation.
VTX-5	2.5-3.0	Shallow soil to evaluate potential impacts from current and former on-site operations. No elevated PID readings, staining, or odors were noted during the investigation.
VTX-6	-	A grab soil sample was not collected. Soil was collected for composite sample WC-1.
VTX-7	3.5-4.0 17.5-18.0 29.5-30.0	Multiple depths collected to evaluate WWTP effluent recharge areas 1 and 2. Elevated PID readings were detected. No staining or odors noted.
VTX-9	4.0-4.5	Shallow soil to evaluate potential impacts from the hazardous waste storage shed. No elevated PID readings, staining, or odors were noted.
VTX-10	7.0-7.5	Collected to evaluate WWTP effluent recharge areas 1 and 2. Stained soil and faint odor noted. Elevated PID readings were not detected.
VTX-13	-	A grab soil sample was not collected. Soil was collected for composite sample WC-2.
VTX-14	29.5-30.0	Collected to evaluate potential deep impacts from the former UST area #8 and dry wells at a former diesel fuel spill. No staining or odors were noted.
VTX-15	-	Observation boring in the possible location of former Tank 5 (2,000-gallon solvent/spill containment UST. Soil samples were not collected as there were no elevated PID readings and no visual or olfactory impacts identified.
VTX-16	12.5-13.0	Collected to evaluate potential impacts from the current diesel fuel USTs and dispensers. Elevated PID readings were detected and a slight odor was noted.

Boring ID	Sample Depth (feet bgs)	Sampling Rationale
WC-1	2.0-4.0	Collected for soil waste characterization purposes. A composite sample was collected from borings VTX-1, VTX-2, and VTX-6.
WC-2	2.0-4.0	Collected for waste characterization purposes. A composite soil sample was collected from borings VTX-4, VTX-13, and VTX-14.

The soil samples were collected in laboratory supplied pre-cleaned containers, stored on ice, and transferred under chain-of-custody to Alpha Analytical (Alpha) in Westborough, Massachusetts (New York Environmental Laboratory Approval Program (ELAP) No. 11148) for the following analyses:

- Volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260;
- Semivolatile organic compounds (SVOCs) by USEPA Method 8270; and,
- Target Analyte List (TAL) Metals by USEPA Method 6010/7471.

The waste characterization soil samples were collected in laboratory supplied pre-cleaned containers, stored on ice, and transferred under chain-of-custody to Alpha for the following analyses:

- VOCs by USEPA Method 8260;
- SVOCs by USEPA Method 8270;
- TAL Metals by USEPA Method 6010/7471;
- Pesticides by USEPA Method 8081;
- Polychlorinated biphenyls (PCBs) by USEPA Method 8082; and,
- General chemistry.

2.3 Groundwater Sampling

Following construction of the temporary monitoring wells, the seven monitoring wells were gauged using an oil/water interface probe, which is capable of measuring the depth to groundwater and detecting the presence and thickness of non-aqueous phase liquid (NAPL), if present, in a monitoring well. The seven temporary monitoring wells did not contain evidence of NAPL during gauging.

Following gauging, the wells were purged and sampled using dedicated bailers and a check valve. Either a minimum of three well volumes of groundwater were purged from each well, or the well was purged until dry and allowed to recharge, prior to sampling. After purging, a representative grab sample of groundwater was collected from each monitoring well. Groundwater samples were collected in laboratory-supplied pre-cleaned containers, stored on ice, and transferred under chain-of-custody to Alpha for the following laboratory analyses:

- VOC by USEPA Method 8260;
- SVOCs by USEPA Method 8270; and/or,
- Total and/or dissolved metals by USEPA Method 6010/7471.

2.5 Sediment Sampling

Two grab sediment samples were collected from two on-site dry wells. The dry wells were located in the northern basement area (DW-1) and in the southern basement area (DW-2).

The grab dry well sediment samples were collected in laboratory-supplied pre-cleaned containers, stored on ice, and transferred under chain-of-custody to Alpha for the following laboratory analyses:

- VOC by USEPA Method 8260;

- SVOCs by USEPA Method 8270; and,
- TAL Metals by USEPA Method 6010/7471.

2.6 Concrete Sampling

A total of five concrete samples, identified as CC-1 through CC-5, were collected inside the site building. The concrete samples were biased to stained areas and former chemical storage areas. Sample CC-1 was collected in the former ink reclamation room. Sample CC-2 was collected in a former parts washer area. Sample CC-3 was collected in the former Tank 68 Drum Storage Area. Sample CC-4 was collected adjacent to Tank 17. Sample CC-5 was collected in a stained wash area. The concrete samples were collected from the surface of the concrete (0 – 0.5 inches into surface of the concrete) using an impact hammer drill and a one-inch diameter carbide drill bit. This technique produces a finely ground uniform powder that can be placed in laboratory supplied glassware for analysis.

The concrete samples were collected in laboratory-supplied pre-cleaned containers, stored on ice, and transferred under chain-of-custody to Alpha for the following laboratory analyses:

- VOCs by USEPA Method 8260;
- SVOCs by USEPA Method 8270;
- TAL Metals by USEPA Method 6010/7471;
- Pesticides by USEPA Method 8081; and,
- PCBs by USEPA Method 8082.

3.0 LABORATORY ANALYTICAL RESULTS

The results of the soil and sediment samples analyses were compared to the NYSDEC Restricted Use Soil Cleanup Objectives (SCOs) for Commercial Use (RUSCO-C), for Industrial Use (RUSCO-I), for Residential Use (RUSCO-R), and for Restricted Residential Use (RUSCO-RR). Additionally, the results of the soil samples analyses were compared NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCO). The concrete sample results were also compared to the Restricted Use SCO to be protective of groundwater (RUSCO-GW).

The results of groundwater sample analysis were compared to the NYSDEC Ambient Water Quality Standards (AWQS) and Groundwater Effluent Limits.

3.1 Soil Analytical Results

As shown in Table 1, acetone was detected in soil sample VTX-9 (collected from 4 to 4.5 feet bgs) at a concentration above the UUSCO. The concentration of acetone detected is considered to be very low and is likely due to a laboratory artifact. As such, the detection of acetone in soil sample VTX-9 is not a concern. No other analytes were detected in the discrete grab soil samples collected at the site at concentrations exceeding the applicable NYSDEC SCOs.

As shown in Table 2, the pesticide 4,4-DDT was detected above the UUSCO in one of the composite soil characterization sample. Based on the concentration only in excess of the UUSCO, this detection is not a concern.

Laboratory analytical reports are included as Appendix B.

3.2 Groundwater Analytical Results

Based on the laboratory analytical results, polynuclear aromatic hydrocarbons (PAHs) were detected in two groundwater samples above the AWQS and/or Groundwater Effluent Limitations. In addition, several metals were detected in four groundwater samples above the AWQS and/or Groundwater Effluent Limitations. No other analytes were detected in the groundwater samples at concentrations exceeding the AWQS or Groundwater Effluent Limitations. A summary of groundwater analytical results is presented on Table 3, and a copy of the laboratory analytical report is included in Appendix B.

3.3 Dry Well Analytical Results

Based on the laboratory analytical results, several PAHs were detected in the basement area dry well sample DW-2 at concentrations exceeding the applicable Restricted Use SCOs. Additionally, silver was detected in dry well sample DW-1 at a concentration exceeding the UUSCO. No other analytes were detected in the dry well sediment samples collected at the site at concentrations exceeding the applicable NYSDEC SCOs. A summary of dry well analytical results is presented on Table 4, and a copy of the laboratory analytical report is included in Appendix B.

3.4 Concrete Analytical Results

Based on the laboratory analytical results, total xylenes (three samples), 1,2,4-trimethylbenzene (TMB; one sample), phenols (one sample), and arsenic (one sample) were detected above the RUSCO-GW and UUSCO. Additionally, acetone (one sample), copper (two samples), and zinc (three samples) were detected above the UUSCO. No other analytes were detected in the concrete samples collected at the site at concentrations exceeding the applicable NYSDEC SCOs.

A summary of concrete analytical results is presented on Table 5, and a copy of the laboratory analytical report is included in Appendix B.

4.0 CONCLUSIONS AND RECOMMENDATIONS

VERTEX has performed a Phase II LSI of the Newsday facility located at 235 Pinelawn Road in Melville, New York. Based on the findings of the Phase II LSI, the following was identified at the site:

- **Soil**: Acetone was the only analyte detected in one grab soil sample above the UUSCO. This concentration is very low and likely due to a laboratory artifact and is not considered a concern. The pesticide 4,4-DDT was detected above the UUSCO in one of the composite soil characterization sample. Based on the concentration only in excess of the UUSCO, this detection is not a concern. No evidence of a release was identified, based on a review of the soil analytical results.
- **Groundwater**: Several PAHs (two samples) and several metals (four samples) were detected in groundwater samples above the AWQS and/or Groundwater Effluent Limitations. The dissolved metals analysis identified only four metals above the groundwater standards (antimony, iron, manganese, and sodium). Given the favorable soil results, it is likely these detections are related to turbidity of samples collected from a temporary monitoring well and/or are naturally occurring, and not the result of a release. In addition, groundwater at the site is not used for potable purposes.
- **Dry Well Sediment**: Several PAHs were detected above the commercial and/or industrial use SCOs in sediment sample DW-2. Additionally, silver was detected above the UUSCO in dry well sample DW-1. It is anticipated that the dry wells will be removed as part of redevelopment. During redevelopment, the dry wells will need to be closed per county and USEPA regulations and the impacts will need to be remediated during closure activities.
- **Concrete**: Total xylenes 1,2,4-TMB, phenols, and arsenic were detected in concrete samples at concentrations exceeding the RUSCO-GW and/or UUSCO. The concrete samples were

biased to stained areas and former chemical storage areas. The total xylenes exceedances were identified in the second-floor machine shop, near the Tank 68 drum storage area, and adjacent to generator belly Tank 17. The 1,2,4-TMB and phenols exceedances were identified in the 2nd floor machine shop. The arsenic exceedance was identified in the Tank 68 Drum Storage Area. These results indicate that in select areas, some of the concrete may need to be segregated and disposed off-site rather than crushing for re-use. In addition, areas currently being closed under RCRA may not be allowed to be included in on-site reuse. It should be noted that the concrete sampling was limited in nature given the large size of the building footprint. Correspondence with the NYSDEC during redevelopment activities will be required to determine the requirements for concrete re-use and sampling at the site.

Based on the findings of the Limited Phase II Investigation, VERTEX provides the following conclusions for the AOCs and RECs previously identified:

- **WWTP effluent recharge areas 1 and 2 and related leaching pools** – Soil and groundwater quality in samples collected from these areas did not identify evidence of a release. The PAHs and metals identified in groundwater were related to turbid samples and/or naturally occurring concentrations. No additional action is recommended.
- **Hazardous waste storage shed** – Impacts were not identified in the soil sample collected. No additional action is recommended.
- **Former UST #8** – Impacts were not identified in the soil and groundwater samples collected. No additional action is recommended.
- **Former 2,000-gallon spill containment/solvent UST** – Impacts to soil was not identified in this area. No additional action is recommended.

- **Stormwater dry wells located in vented areas of the basement** - PAHs were detected above commercial and industrial use SCOs in the sediment sample collected from dry well DW-2, located in the southern basement area. Silver was detected above the UUSCO in the sediment sample collected from dry well DW-1 in the northern basement area. As part of redevelopment, these dry wells will need to be remediated and closed per county and USEPA regulations.
- **Dry wells to the southeast of the building** - Impacts were not identified in the soil and groundwater samples collected. No additional action is recommended.
- **Current and historic operations that may have impacted the soil and groundwater beneath the building slab** – Impacts to soil underlying the building were not identified. The PAHs identified in groundwater were related to turbid samples. No additional action is recommended.
- **The current diesel fuel USTs located on the southern portion of the site** - Impacts were not identified in the soil sample collected. No additional action is recommended at this time. However, during redevelopment activities, the USTs should be removed in accordance with applicable regulations.
- **Former diesel fuel and gasoline USTs located to the northeast of the fire suppression pond** – No soil samples were collected in this area as part of the Phase II LSI. However, soil and groundwater samples collected downgradient of the area did not identify impacts indicative of releases from these USTs. In addition, the location of the former USTs is under a current structure, and shallow impacted soils, if present, would have likely been removed during building expansion activities.

5.0 QUALIFICATIONS

5.1 Limitations and Exceptions

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. VERTEX is not responsible for the independent conclusions, opinions or recommendations made by others based on the field exploration and laboratory test data presented in this report.

It must be recognized that environmental investigations are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site investigation. All subsurface conditions at the site were not field investigated as part of this study and may differ from the conditions implied by the LSI. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. VERTEX does not warrant that there are no toxic or hazardous materials or contamination on the site, nor does VERTEX accept any liability if such are found at some future time, or could have been found if additional studies, beyond the scope of this LSI, were conducted. VERTEX does not warrant against future operations or conditions, nor does VERTEX warrant against operations or conditions present of a type or at a location not investigated.

5.2 Special Terms and Conditions

The findings of this LSI are limited and based on the completeness and accuracy of the data and conditions of the site as of the date of the onsite investigation.

5.3 User Reliance

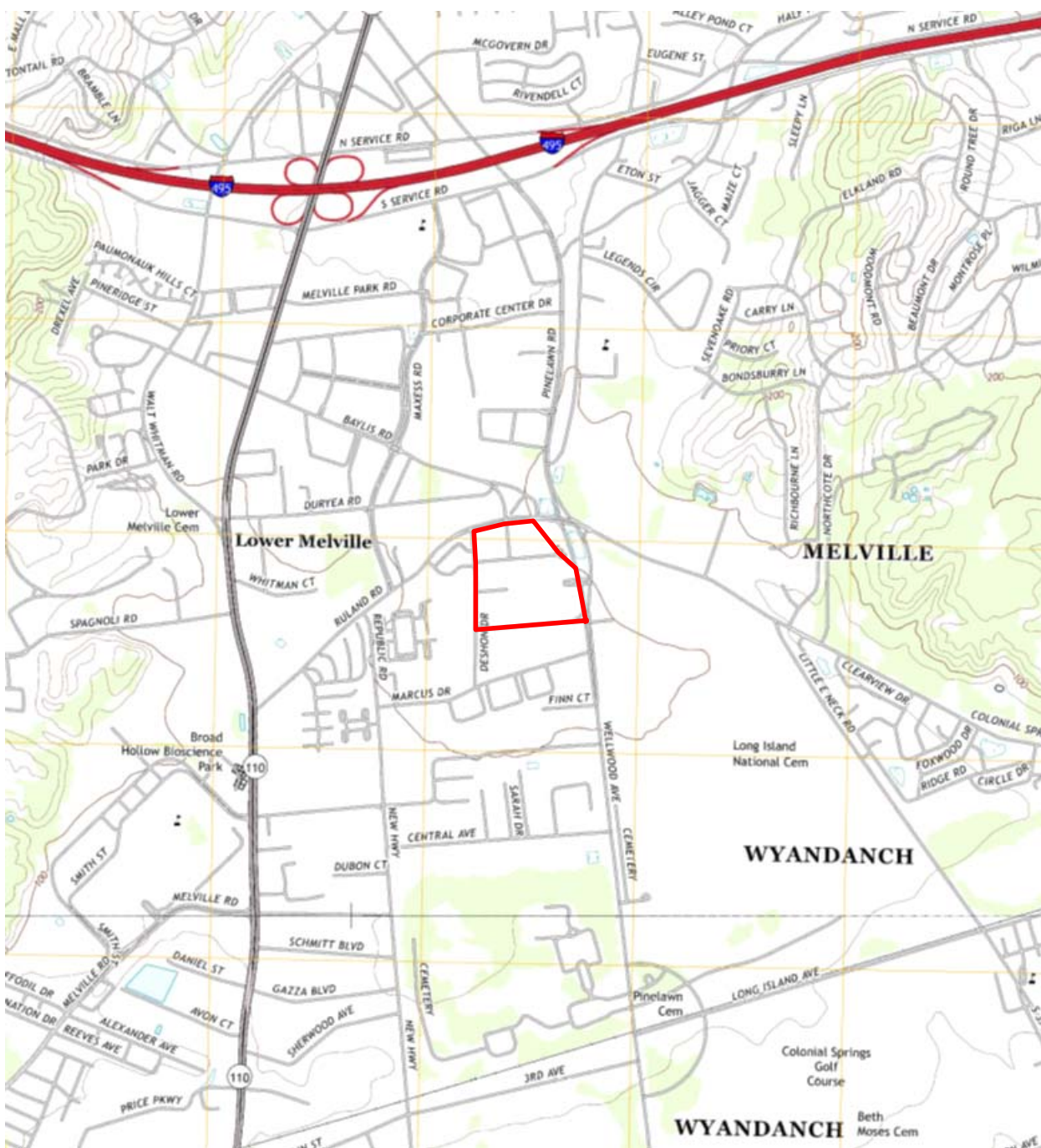
This report is for the exclusive use of the following entities:



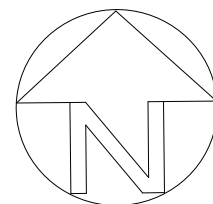
- Hartz Mountain Industries, Inc., a New York corporation
- 235 Pinelawn Road South LLC, a Delaware limited liability company
- 235 Pinelawn Road North LLC, a Delaware limited liability company
- Hartz Mountain Associates, a New Jersey general partnership
- Ridge Associates II Limited Partnership, a New Jersey limited partnership
- API Stewart Holdings LLC, a California limited liability company
- Asset Preservation, Inc., a California corporation

No other party shall have the right to rely on any service provided by VERTEX without prior written consent. Use of this report by any other party shall be at such party's sole risk.

FIGURES



USGS Topographic Map, 2013
Huntington, NY Quadrangle
Contour Interval: 15 Feet



SITE LOCUS MAP

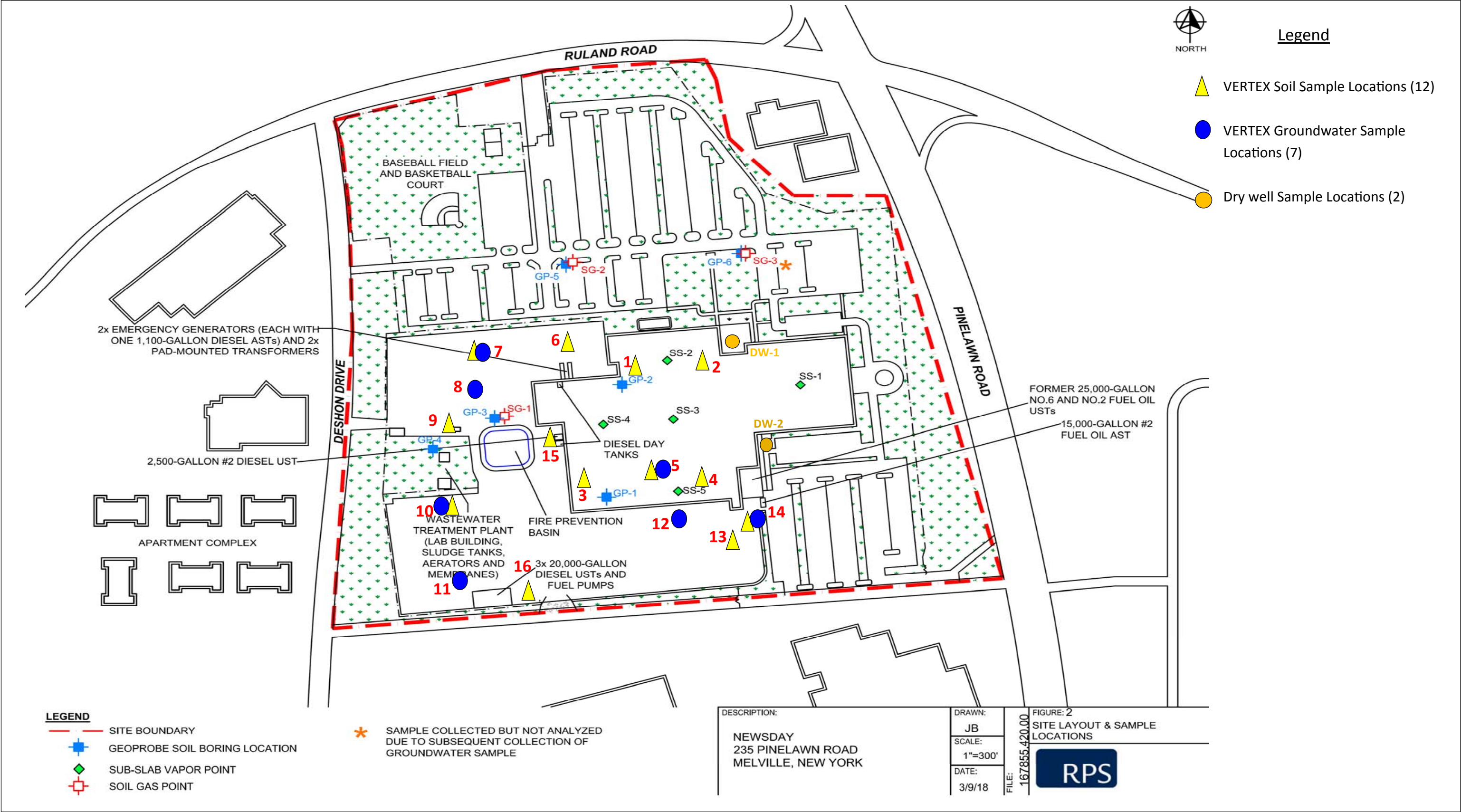
Newsday
235 Pinelawn Road
Melville, NY

SCALE: 1:25,000

October 2018

VERTEX Proj. No. 52629

FIGURE NO. 1



Base Map Source:
RPS LIMITED PHASE II
INVESTIGATION DATED 3/8/2018

SOIL AND GROUNDWATER SAMPLING MAP
NEWSDAY — 235 PINELAWN ROAD
MELVILLE, NEW YORK

FIGURE NO. 2

VERTEX Proj. No. 52692

VERTEX

THE VERTEX COMPANIES, INC.

TABLES

Table 1: Summary of Soil Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-1				VTX-2				VTX-3				VTX-4				VTX-5				VTX-7				VTX-7 (17.5-18.0)				VTX-9																																					
LAB ID:						L1836162-04				L1836162-05				L1836518-01				L1836162-01				L1836518-02				L1835942-01				L1835942-03				L1835720-04																																					
COLLECTION DATE:						9/12/2018				9/12/2018				9/13/2018				9/12/2018				9/13/2018				9/11/2018				9/11/2018				9/10/2018																																					
SAMPLE MATRIX:						SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL																																					
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL																														
VOLATILE ORGANIC COMPOUNDS (mg/kg)																																																																							
Methylene chloride	500		1000		51		100		0.05		ND			0.0044		0.002		ND				0.0046		0.0021		ND			0.0047		0.0022		ND				0.11		0.05		ND				0.0057		0.0026		ND				0.0021		0.001		ND				0.0038		0.0017		0.0019		J		0.0032		0.0015
1,1-Dichloroethane	240		480		19		26		0.27		ND			0.0009		0.0001		ND				0.0009		0.0001		ND			0.001		0.0001		ND				0.022		0.0032		ND				0.0011		0.0002		ND				0.0004		6E-05		ND				0.0008		0.0001		ND				0.0006		9E-05
Chloroform	350		700		10		49		0.37		ND			0.0013		0.0001		ND				0.0014		0.0001		ND			0.0014		0.0001		ND				0.033		0.0031		ND				0.0017		0.0002		ND				0.0006		6E-05		ND				0.0011		0.0001		ND				0.001		9E-05
Carbon tetrachloride	22		44		1.4		2.4		0.76		ND			0.0009		0.0002		ND				0.0009		0.0002		ND			0.001		0.0002		ND				0.022		0.005		ND				0.0011		0.0003		ND				0.0004		0.0001		ND				0.0008		0.0002		ND				0.0006		0.0002
1,2-Dichloropropane	NS		NS		NS		NS		NS		ND			0.0009		0.0001		ND				0.0009		0.0001		ND			0.001		0.0001		ND				0.022		0.0027		ND				0.0011		0.0001		ND				0.0004		5E-05		ND				0.0008		0.0001		ND				0.0006		8E-05
Dibromochloromethane	NS		NS		NS		NS		NS		ND			0.0009		0.0001		ND				0.0009		0.0001		ND			0.001		0.0001		ND				0.022		0.0031		ND				0.0011		0.0002		ND				0.0004		6E-05		ND				0.0008		0.0001		ND				0.0006		9E-05
1,1,2-Trichloroethane	NS		NS		NS		NS		NS		ND			0.0009		0.0002		ND				0.0009		0.0003		ND			0.001		0.0003		ND				0.022		0.0059		ND				0.0011		0.0003		ND				0.0004		0.0001		ND				0.0008		0.0002		ND				0.0006		0.0002
Tetrachloroethene	150		300		5.5		19		1.3		ND			0.0004		0.0002		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0043		ND				0.0006		0.0002		ND				0.0002		8E-05		ND				0.0004		0.0002		ND				0.0003		0.0001
Chlorobenzene	500		1000		100		100		1.1		ND			0.0004		0.0001		ND				0.0005		0.0001		ND			0.0005		0.0001		ND				0.011		0.0028		ND				0.0006		0.0001		ND				0.0002		5E-05		ND				0.0004		0.0001		ND				0.0003		8E-05
Trichlorofluoromethane	NS		NS		NS		NS		NS		ND			0.0035		0.0006		ND				0.0037		0.0007		ND			0.0038		0.0007		ND				0.088		0.015		ND				0.0046		0.0008		ND				0.0017		0.0003		ND				0.003		0.0005		ND				0.0026		0.0005
1,2-Dichloroethane	30		60		2.3		3.1		0.02		ND			0.0009		0.0002		ND				0.0009		0.0002		ND			0.001		0.0002		ND				0.022		0.0056		ND				0.0011		0.0003		ND				0.0004		0.0001		ND				0.0008		0.0002		ND				0.0006		0.0002
1,1,1-Trichloroethane	500		1000		100		100		0.68		ND			0.0004		0.0002		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0037		ND				0.0006		0.0002		ND				0.0002		7E-05		ND				0.0004		0.0001		ND				0.0003		0.0001
Bromodichloromethane	NS		NS		NS		NS		NS		ND			0.0004		0.0001		ND				0.0005		0.0001		ND			0.0005		0.0001		ND				0.011		0.0024		ND				0.0006		0.0001		ND				0.0002		5E-05		ND				0.0004		8E-05		ND				0.0003		7E-05
trans-1,3-Dichloropropene	NS		NS		NS		NS		NS		ND			0.0009		0.0002		ND				0.0009		0.0003		ND			0.001		0.0003		ND				0.022		0.006		ND				0.0011		0.0003		ND				0.0004		0.0001		ND				0.0008		0.0002		ND				0.0006		0.0002
cis-1,3-Dichloropropene	NS		NS		NS		NS		NS		ND			0.0004		0.0001		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0035		ND				0.0006		0.0002		ND				0.0002		7E-05		ND				0.0004		0.0001		ND				0.0003		0.0001
1,3-Dichloropropene, Total	NS		NS		NS		NS		NS		ND			0.0004		0.0001		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0035		ND				0.0006		0.0002		ND				0.0002		7E-05		ND				0.0004		0.0001		ND				0.0003		0.0001
1,1-Dichloropropene	NS		NS		NS		NS		NS		ND			0.0004		0.0001		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0035		ND				0.0006		0.0002		ND				0.0002		7E-05		ND				0.0004		0.0001		ND				0.0003		0.0001
Bromoform	NS		NS		NS		NS		NS		ND			0.0035		0.0002		ND				0.0037		0.0002		ND			0.0038		0.0002		ND				0.088		0.0054		ND				0.0046		0.0003		ND				0.0017		0.0001		ND				0.003		0.0002		ND				0.0026		0.0002
1,1,2,2-Tetrachloroethane	NS		NS		NS		NS		NS		ND			0.0004		0.0001		ND				0.0005		0.0002		ND			0.0005		0.0002		ND				0.011		0.0036		ND				0.0006		0.0002		ND				0.0002		7E-05		ND				0.0004		0.0001		ND				0.0003		0.0001
Benzene	44		89		2.9		4.8		0.06		ND			0.0004		0.0001		ND				0.0005		0.0002																																															

Table 1: Summary of Soil Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-1				VTX-2				VTX-3				VTX-4				VTX-5				VTX-7				VTX-7 (17.5-18.0)				VTX-9																
LAB ID:						L1836162-04				L1836162-05				L1836518-01				L1836162-01				L1836518-02				L1835942-01				L1835942-03				L1835720-04																
COLLECTION DATE:						9/12/2018				9/12/2018				9/13/2018				9/12/2018				9/13/2018				9/11/2018				9/11/2018				9/10/2018																
SAMPLE MATRIX:						SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL				SOIL																
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL									
1,2,3-Trichlorobenzene	NS		NS		NS		NS		ND		0.0018		0.0003	ND		0.0019		0.0003	ND		0.0019		0.0003	ND		0.044		0.0071	ND		0.0023		0.0004	ND		0.0009		0.0001	ND		0.0015		0.0002	ND		0.0013		0.0002		
1,2,4-Trichlorobenzene	NS		NS		NS		NS		ND		0.0018		0.0002	ND		0.0019		0.0003	ND		0.0019		0.0003	ND		0.044		0.006	ND		0.0023		0.0003	ND		0.0009		0.0001	ND		0.0015		0.0002	ND		0.0013		0.0002		
1,3,5-Trimethylbenzene	190		380		47		52		8.4		ND		0.0018		0.0002	ND		0.0019		0.0002	ND		0.0019		0.0002	0.079		0.044		0.0042	ND		0.0023		0.0002	ND		0.0009		8E-05	ND		0.0015		0.0002	ND		0.0013		0.0001
1,2,4-Trimethylbenzene	190		380		47		52		3.6		ND		0.0018		0.0003	ND		0.0019		0.0003	ND		0.0019		0.0003	0.18		0.044		0.0073	ND		0.0023		0.0004	ND		0.0009		0.0001	ND		0.0015		0.0003	ND		0.0013		0.0002
1,4-Dioxane	130		250		9.8		13		0.1		ND		0.088		0.031	ND		0.093		0.033	ND		0.095		0.033	ND		2.2		0.77	ND		0.11		0.04	ND		0.043		0.015	ND		0.076		0.027	ND		0.064		0.022
p-Diethylbenzene	NS		NS		NS		NS		NS		NS		0.0018		0.0002	ND		0.0019		0.0002	ND		0.0019		0.0002	0.084		0.044		0.0039	ND		0.0023		0.0002	ND		0.0009		8E-05	ND		0.0015		0.0001	ND		0.0013		0.0001
p-Ethyltoluene	NS		NS		NS		NS		NS		NS		0.0018		0.0003	ND		0.0019		0.0004	ND		0.0019		0.0004	0.14		0.044		0.0084	ND		0.0023		0.0004	ND		0.0009		0.0002	ND		0.0015		0.0003	ND		0.0013		0.0003
1,2,4,5-Tetramethylbenzene	NS		NS		NS		NS		NS		NS		0.0018		0.0002	ND		0.0019		0.0002	ND		0.0019		0.0002	0.033	J	0.044		0.0042	ND		0.0023		0.0002	ND		0.0009		8E-05	ND		0.0015		0.0001	ND		0.0013		0.0001
Ethyl ether	NS		NS		NS		NS		NS		NS		0.0018		0.0003	ND		0.0019		0.0003	ND		0.0019		0.0003	ND		0.044		0.0075	ND		0.0023		0.0004	ND		0.0009		0.0002	ND		0.0015		0.0003	0.0002	J	0.0013		0.0002
trans-1,4-Dichloro-2-butene	NS		NS		NS		NS		NS		NS		0.0044		0.0012	ND		0.0046		0.0013	ND		0.0047		0.0013	ND		0.11		0.031	ND		0.0057		0.0016	ND		0.0021		0.0006	ND		0.0038		0.0011	ND		0.0032		0.0009
Total VOCs	NS		NS		NS		NS		NS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9327	-	-	-	-	0.02	-	-	-	-	-	-	-	-	-	0.0414	-	-	-	-	0.0641	-	-	-	
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)																																																		
Acenaphthene	500		1000		100		100		20		ND		0.13		0.017	ND		0.13		0.017	ND		0.13		0.017	ND		0.13		0.017	ND		0.17		0.022	ND		0.14		0.018	ND		0.14		0.018	ND		0.14		0.018
1,2,4-Trichlorobenzene	NS		NS		NS		NS		NS		ND		0.17		0.019	ND		0.16		0.019	ND		0.16		0.019	ND		0.16		0.019	ND		0.21		0.024	ND		0.17		0.019	ND		0.17		0.019	ND		0.17		0.02
Hexachlorobenzene	6		12		0.33		1.2		0.33		ND		0.1		0.019	ND		0.098		0.018	ND		0.098		0.018	ND		0.099		0.018	ND		0.12		0.023	ND		0.1		0.019	ND		0.1		0.019	ND		0.1		0.02
Bis(2-chloroethyl)ether	NS		NS		NS		NS		NS		ND		0.15		0.022	ND		0.15		0.022	ND		0.15		0.022	ND		0.15		0.022	ND		0.19		0.028	ND		0.15		0.023	ND		0.15		0.023	ND		0.16		0.024
2-Chloronaphthalene	NS		NS		NS		NS		NS		ND		0.17		0.016	ND		0.16		0.016	ND		0.16		0.016	ND		0.16		0.016	ND		0.21		0.021	ND		0.17		0.017	ND		0.17		0.017	ND		0.17		0.017
1,2-Dichlorobenzene	500		1000		100		100		1.1		ND		0.17		0.03	ND		0.16		0.029	ND		0.16		0.029	ND		0.16		0.03	ND		0.21		0.038	ND		0.17		0.03	ND		0.17		0.03	ND		0.17		0.031
1,3-Dichlorobenzene	280		560		17		49		2.4		ND		0.17		0.029	ND		0.16		0.028	ND		0.16		0.028	ND		0.16		0.028	ND		0.21		0.036	ND		0.17		0.029	ND		0.17		0.029	ND		0.17		0.03
1,4-Dichlorobenzene	130		250		9.8		13		1.8		ND		0.17		0.029	ND		0.16		0.028	ND		0.16		0.029	ND		0.16		0.029	ND		0.21		0.036	ND		0.17		0.03	ND		0.17		0.03	ND		0.17		0.03
3,3'-Dichlorobenzidine	NS		NS		NS		NS		NS		ND		0.17		0.044	ND		0.16		0.043	ND		0.16		0.044	ND		0.16		0.044	ND		0.21		0.056	ND		0.17		0.045	ND		0.17		0.045	ND		0.17		0.046
2,4-Dinitrotoluene	NS		NS		NS		NS		NS		ND		0.17		0.033	ND		0.16		0.033	ND		0.16		0.033	ND		0.16		0.033	ND		0.21		0.042	ND		0.17		0.034	ND		0.17		0.034	ND		0.17		0.035
2,6-Dinitrotoluene	NS		NS		NS		NS		NS		ND		0.17		0.028	ND		0.16		0.028	ND		0.16		0.028	ND		0.16		0.028	ND		0.21		0.036	ND		0.17		0.029	ND		0.17		0.029	ND		0.17		0.03
Fluoranthene	500		1000		100		100		100		0.16		0.1		0.019	ND		0.098		0.019	ND		0.098		0.019	ND		0.099		0.019	ND		0.12		0.024	ND		0.1		0.02	ND		0.1		0.019	ND		0.1		0.02
4-Chlorophenyl phenyl ether	NS		NS		NS		NS		NS		NS		0.17		0.018	ND		0.16		0.017	ND		0.16		0.018	ND		0.16		0.018	ND		0.21		0.022	ND		0.17		0.018	ND		0.17		0.018	ND		0.17		0.019
4-Bromophenyl phenyl ether	NS		NS		NS		NS		NS		NS		0.17		0.025	ND		0.16		0.025	ND		0.16		0.025	ND		0.16		0.025	ND		0.21		0.032	ND		0.17		0.026	ND		0.17		0.026	ND		0.17		

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Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-1			VTX-2			VTX-3			VTX-4			VTX-5			VTX-7			VTX-7 (17.5-18.0)			VTX-9		
LAB ID:						L1836162-04			L1836162-05			L1836518-01			L1836162-01			L1836518-02			L1835942-01			L1835942-03			L1835720-04		
COLLECTION DATE:						9/12/2018			9/12/2018			9/13/2018			9/12/2018			9/13/2018			9/11/2018			9/11/2018			9/10/2018		
SAMPLE MATRIX:						SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL			SOIL		
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2,4-Dichlorophenol	NS	NS	NS	NS	NS	ND		0.15	0.027	ND		0.15	0.026	ND		0.15	0.026	ND		0.19	0.034	ND		0.15	0.027	ND		0.15	0.027
2,4-Dimethylphenol	NS	NS	NS	NS	NS	ND		0.17	0.055	ND		0.16	0.054	ND		0.16	0.054	ND		0.21	0.069	ND		0.17	0.056	ND		0.17	0.058
2-Nitrophenol	NS	NS	NS	NS	NS	ND		0.36	0.062	ND		0.35	0.061	ND		0.35	0.062	ND		0.45	0.078	ND		0.37	0.064	ND		0.37	0.066
4-Nitrophenol	NS	NS	NS	NS	NS	ND		0.23	0.068	ND		0.23	0.067	ND		0.23	0.067	ND		0.29	0.085	ND		0.24	0.069	ND		0.24	0.071
2,4-Dinitrophenol	NS	NS	NS	NS	NS	ND		0.8	0.078	ND		0.78	0.076	ND		0.79	0.076	ND		1	0.097	ND		0.82	0.079	ND		0.81	0.079
4,6-Dinitro-o-cresol	NS	NS	NS	NS	NS	ND		0.43	0.08	ND		0.42	0.078	ND		0.43	0.079	ND		0.54	0.1	ND		0.44	0.082	ND		0.44	0.084
Pentachlorophenol	6.7	55	2.4	6.7	0.8	ND		0.13	0.037	ND		0.13	0.036	ND		0.13	0.036	ND		0.17	0.046	ND		0.14	0.037	ND		0.14	0.038
Phenol	500	1000	100	100	0.33	ND		0.17	0.025	ND		0.16	0.025	ND		0.16	0.025	ND		0.21	0.032	ND		0.17	0.026	ND		0.17	0.026
2-Methylphenol	500	1000	100	100	0.33	ND		0.17	0.026	ND		0.16	0.025	ND		0.16	0.025	ND		0.21	0.032	ND		0.17	0.026	ND		0.17	0.027
3-Methylphenol/4-Methylphenol	500	1000	34	100	0.33	ND		0.24	0.026	ND		0.24	0.026	ND		0.24	0.026	ND		0.3	0.033	ND		0.24	0.027	ND		0.24	0.027
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.16	0.031	ND		0.16	0.031	ND		0.21	0.04	ND		0.17	0.033	ND		0.17	0.033
Benzoic Acid	NS	NS	NS	NS	NS	ND		0.54	0.17	ND		0.53	0.16	ND		0.53	0.17	ND		0.68	0.21	ND		0.55	0.17	ND		0.55	0.18
Benzyl Alcohol	NS	NS	NS	NS	NS	ND		0.17	0.051	ND		0.16	0.05	ND		0.16	0.05	ND		0.21	0.064	ND		0.17	0.052	ND		0.17	0.053
Carbazole	NS	NS	NS	NS	NS	ND		0.17	0.016	ND		0.16	0.016	ND		0.16	0.016	ND		0.21	0.02	ND		0.17	0.016	ND		0.17	0.017
Total SVOCs	NS	NS	NS	NS	NS	0.949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS (mg/kg)																													
Aluminum, Total	NS	NS	NS	NS	NS	3540		7.94	2.14	1630		7.89	2.13	1860		7.62	2.06	2060		8.01	2.16	2220		8.24	2.22	1220		8.04	2.17
Antimony, Total	NS	NS	NS	NS	NS	ND		3.97	0.302	ND		3.94	0.3	ND		3.81	0.29	ND		4	0.304	ND		4.12	0.313	0.314	J	4.02	0.306
Arsenic, Total	16	16	16	16	13	2.35		0.794	0.165	1.81		0.789	0.164	1.37		0.762	0.159	3.64		0.801	0.167	1.75		0.986	0.205	1.48		0.824	0.171
Barium, Total	400	10000	350	400	350	13.7		0.794	0.138	6.43		0.789	0.137	4.85		0.762	0.133	8.38		0.801	0.139	7.14		0.986	0.172	6.6		0.824	0.143
Beryllium, Total	590	2700	14	72	7.2	0.111	J	0.397	0.026	0.071	J	0.394	0.026	0.053	J	0.381	0.025	0.112	J	0.4	0.026	0.039	J	0.493	0.033	0.107	J	0.412	0.027
Cadmium, Total	9.3	60	2.5	4.3	2.5	0.103	J	0.794	0.078	ND		0.789	0.077	ND		0.762	0.075	0.104	J	0.801	0.079	ND		0.986	0.097	0.107	J	0.824	0.081
Calcium, Total	NS	NS	NS	NS	NS	6750		7.94	2.78	1060		7.89	2.76	106		7.62	2.67	6940		8.01	2.8	124		9.86	3.45	4210		8.24	2.88
Chromium, Total	NS	NS	NS	NS	NS	9.27		0.794	0.076	5		0.789	0.076	3.37		0.762	0.073	5.18		0.801	0.077	3.66		0.986	0.095	8.66		0.824	0.079
Cobalt, Total	NS	NS	NS	NS	NS	2.28		1.59	0.132	1.49	J	1.58	0.131	0.724	J	1.52	0.126	1.69		1.6	0.133	1.26	J	1.97	0.164	1.38	J	1.65	0.137
Copper, Total	270	10000	270	270	50	4.41		0.794	0.205	3.52		0.789	0.203	1.81		0.762	0.197	4.46		0.801	0.207	1.65		0.986	0.254	2.74		0.824	0.213
Iron, Total	NS	NS	NS	NS	NS	6400		3.97	0.717	4670		3.94	0.712	2590		3.81	0.688	7870		4	0.723	2870		4.93	0.89	5360		4.12	0.744
Lead, Total	1000	3900	400	400	63	3.78	J	3.97	0.213	1.61	J	3.94	0.211	1.25	J	3.81	0.204	2.05	J	4	0.215	2.01	J	4.93	0.264	1.94	J	4.12	0.221
Magnesium, Total	NS	NS	NS	NS	NS	835		7.94	1.22	412		7.89	1.21	52.3		7.62	1.17	1070		8.01	1.23	123		9.86	1.52	456		8.24	1.27
Manganese, Total	10000	10000	2000	2000	1600	94.8		0.794	0.126	76.8		0.789	0.125	28.3		0.762	0.121	81.9		0.801	0.127	53.7		0.986	0.157	84.7		0.824	0.131
Mercury, Total	2.8	5.7	0.81	0.81	0.18	ND		0.064	0.014	ND		0.063	0.013	ND		0.064	0.013	ND		0.063	0.013	ND		0.08	0.017	ND		0.065	0.014
Nickel, Total	310	10000	140	310	30	3.74		1.98	0.192	2.05		1.97	0.191	0.747	J	1.91	0.184	2.13		2	0.194	1.12	J	2.46	0.238	2.21		2.06	0.2
Potassium, Total	NS	NS	NS	NS	NS	434		198	11.4	208		197	11.4	67.6	J	191	11	219		200	11.5	139	J	246	14.2	196	J	206	11.9
Selenium, Total	1500	6800	36	180	3.9	0.309	J	1.59	0.205	0.284	J	1.58	0.203	ND		1.52	0.197	0.304	J	1.6	0.207	ND		1.97	0.254	ND		1.65	0.213
Silver, Total	1500	6800	36	180	2	ND		0.794	0.224	ND		0.789	0.223	ND		0.762	0.216	ND		0.801	0.227	ND		0.986	0.279	ND		0.824	0.233
Sodium, Total	NS	NS	NS	NS	NS	70.6	J	159	2.5	22.2	J	158	2.48	10.4	J	152	2.4	71.2	J	160	2.52	13.6	J	197	3.1	34.5	J	165	2.6
Thallium, Total	NS	NS	NS	NS	NS	ND		1.59	0.25	ND		1.58	0.248	ND		1.52	0.24	ND		1.6	0.252	ND		1.97	0.31	ND		1.65	0.26
Vanadium, Total	NS	NS	NS	NS	NS	7.42		0.794	0.161	3.87		0.789	0.16	5.43		0.762	0.155	9.53		0.801	0.163	5.01		0.986	0.2	4.17		0.824	0.167
Zinc, Total	10000	10000	2200	10000	109	41.3		3.97	0.232	8.17		3.94	0.231	2.16	J	3.81	0.223	7.91		4	0.235	15.2		4.93	0.289	5.9		4.12	0.242
GENERAL CHEMISTRY																													
Solids, Total	NS	NS	NS	NS	NS	99.3		0.1	NA	98.9		0.1	NA	98.6		0.1	NA	99.3		0.1	NA	77.9		0.1	NA	96.5		0.1	NA

* Comparison is not performed on parameters with non-numeric criteria.
RUSCO-C: New York NYCRR Part 375 Commercial Criteria, New York Restricted Use Criteria
RUSCO-I: New York NYCRR Part 375 Industrial Criteria, New York Restricted Use Criteria
RSUCO-R: New York NYCRR Part 375 Residential Criteria, New York Restricted Use Criteria
RUSCO-RR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted Use Criteria
UUSCO: New York NYCRR Part 375 New York Unrestricted Use Criteria Criteria
mg/kg: milligrams per kilogram
Conc: Concentration
Q: Laboratory Qualifier
RL: Reporting Limit
MDL: Method Detection Limit
Highlighted and bolded concentrations exceed one or more of applicable standards
NS: No Standard
ND: Non-Detect
J: Laboratory reported at an estimated concentration

Table 1: Summary of Soil Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-10				VTX-14				VTX-16			
LAB ID:						L1835720-01				L1835942-06				L1836518-03			
COLLECTION DATE:						9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:						SOIL				SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS (mg/kg)																	
Methylene chloride	500	1000	51	100	0.05	ND		0.0028	0.0013	ND		0.0021	0.001	ND		0.005	0.0023
1,1-Dichloroethane	240	480	19	26	0.27	ND		0.0006	8E-05	ND		0.0004	6E-05	ND		0.001	0.0001
Chloroform	350	700	10	49	0.37	ND		0.0008	8E-05	ND		0.0006	6E-05	ND		0.0015	0.0001
Carbon tetrachloride	22	44	1.4	2.4	0.76	ND		0.0006	0.0001	ND		0.0004	0.0001	ND		0.001	0.0002
1,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0006	7E-05	ND		0.0004	5E-05	ND		0.001	0.0001
Dibromochloromethane	NS	NS	NS	NS	NS	ND		0.0006	8E-05	ND		0.0004	6E-05	ND		0.001	0.0001
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
Tetrachloroethene	150	300	5.5	19	1.3	ND		0.0003	0.0001	ND		0.0002	8E-05	ND		0.0005	0.0002
Chlorobenzene	500	1000	100	100	1.1	ND		0.0003	7E-05	ND		0.0002	5E-05	ND		0.0005	0.0001
Trichlorofluoromethane	NS	NS	NS	NS	NS	ND		0.0022	0.0004	ND		0.0016	0.0003	ND		0.004	0.0007
1,2-Dichloroethane	30	60	2.3	3.1	0.02	ND		0.0006	0.0001	ND		0.0004	0.0001	ND		0.001	0.0003
1,1,1-Trichloroethane	500	1000	100	100	0.68	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
Bromodichloromethane	NS	NS	NS	NS	NS	ND		0.0003	6E-05	ND		0.0002	5E-05	ND		0.0005	0.0001
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
1,3-Dichloropropene, Total	NS	NS	NS	NS	NS	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
1,1-Dichloropropene	NS	NS	NS	NS	NS	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
Bromoform	NS	NS	NS	NS	NS	ND		0.0022	0.0001	ND		0.0016	0.0001	ND		0.004	0.0002
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
Benzene	44	89	2.9	4.8	0.06	ND		0.0003	9E-05	ND		0.0002	7E-05	ND		0.0005	0.0002
Toluene	500	1000	100	100	0.7	0.0006		0.0006	0.0003	ND		0.0004	0.0002	ND		0.001	0.0005
Ethylbenzene	390	780	30	41	1	ND		0.0006	8E-05	ND		0.0004	6E-05	ND		0.001	0.0001
Chloromethane	NS	NS	NS	NS	NS	ND		0.0022	0.0005	ND		0.0016	0.0004	ND		0.004	0.0009
Bromomethane	NS	NS	NS	NS	NS	ND		0.0011	0.0003	ND		0.0008	0.0002	ND		0.002	0.0006
Vinyl chloride	13	27	0.21	0.9	0.02	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
Chloroethane	NS	NS	NS	NS	NS	ND		0.0011	0.0003	ND		0.0008	0.0002	ND		0.002	0.0005
1,1-Dichloroethene	500	1000	100	100	0.33	ND		0.0006	0.0001	ND		0.0004	0.0001	ND		0.001	0.0002
trans-1,2-Dichloroethene	500	1000	100	100	0.19	ND		0.0008	8E-05	ND		0.0006	6E-05	ND		0.0015	0.0001
Trichloroethene	200	400	10	21	0.47	ND		0.0003	8E-05	ND		0.0002	6E-05	ND		0.0005	0.0001
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.0011	8E-05	ND		0.0008	6E-05	ND		0.002	0.0001
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.0011	8E-05	ND		0.0008	6E-05	ND		0.002	0.0002
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.0011	0.0001	ND		0.0008	7E-05	ND		0.002	0.0002
Methyl tert butyl ether	500	1000	62	100	0.93	ND		0.0011	0.0001	ND		0.0008	8E-05	ND		0.002	0.0002
p/m-Xylene	NS	NS	NS	NS	NS	ND		0.0011	0.0003	ND		0.0008	0.0002	ND		0.002	0.0006
o-Xylene	NS	NS	NS	NS	NS	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
Xylenes, Total	500	1000	100	100	0.26	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
cis-1,2-Dichloroethene	500	1000	59	100	0.25	ND		0.0006	0.0001	ND		0.0004	7E-05	ND		0.001	0.0002
1,2-Dichloroethene, Total	NS	NS	NS	NS	NS	ND		0.0006	8E-05	ND		0.0004	6E-05	ND		0.001	0.0001
Dibromomethane	NS	NS	NS	NS	NS	ND		0.0011	0.0001	ND		0.0008	0.0001	ND		0.002	0.0002
Styrene	NS	NS	NS	NS	NS	ND		0.0006	0.0001	ND		0.0004	8E-05	ND		0.001	0.0002
Dichlorodifluoromethane	NS	NS	NS	NS	NS	ND		0.0055	0.0005	ND		0.0041	0.0004	ND		0.0099	0.0009
Acetone	500	1000	100	100	0.05	0.015		0.0055	0.0027	ND		0.0041	0.002	ND		0.0099	0.0048
Carbon disulfide	NS	NS	NS	NS	NS	ND		0.0055	0.0025	ND		0.0041	0.0019	ND		0.0099	0.0045
2-Butanone	500	1000	100	100	0.12	ND		0.0055	0.0012	ND		0.0041	0.0009	ND		0.0099	0.0022
Vinyl acetate	NS	NS	NS	NS	NS	ND		0.0055	0.0012	ND		0.0041	0.0009	ND		0.0099	0.0021
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	ND		0.0055	0.0007	ND		0.0041	0.0005	ND		0.0099	0.0013
1,2,3-Trichloropropane	NS	NS	NS	NS	NS	ND		0.0011	7E-05	ND		0.0008	5E-05	ND		0.002	0.0001
2-Hexanone	NS	NS	NS	NS	NS	ND		0.0055	0.0007	ND		0.0041	0.0005	ND		0.0099	0.0012
Bromochloromethane	NS	NS	NS	NS	NS	ND		0.0011	0.0001	ND		0.0008	9E-05	ND		0.002	0.0002
2,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0011	0.0001	ND		0.0008	8E-05	ND		0.002	0.0002
1,2-Dibromoethane	NS	NS	NS	NS	NS	ND		0.0006	0.0002	ND		0.0004	0.0001	ND		0.001	0.0003
1,3-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0011	9E-05	ND		0.0008	7E-05	ND		0.002	0.0002
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.0003	7E-05	ND		0.0002	6E-05	ND		0.0005	0.0001
Bromobenzene	NS	NS	NS	NS	NS	ND		0.0011	8E-05	ND		0.0008	6E-05	ND		0.002	0.0001
n-Butylbenzene	500	1000	100	100	12	ND		0.0006	9E-05	ND		0.0004	7E-05	ND		0.001	0.0002
sec-Butylbenzene	500	1000	100	100	11	ND		0.0006	8E-05	ND		0.0004	6E-05	ND		0.001	0.0001
tert-Butylbenzene	500	1000	100	100	5.9	ND		0.0011	7E-05	ND		0.0008	5E-05	ND		0.002	0.0001
o-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0011	0.0001	ND		0.0008	8E-05	ND		0.002	0.0002
p-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0011	6E-05	ND		0.0008	5E-05	ND		0.002	0.0001
1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	NS	ND		0.0017	0.0006	ND		0.0012	0.0004	ND		0.003	0.001
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.0022	9E-05	ND		0.0016	7E-05	ND		0.004	0.0002
Isopropylbenzene	NS	NS	NS	NS	NS	ND		0.0006	6E-05	ND		0.0004	5E-05	ND		0.001	0.0001
p-Isopropyltoluene	NS	NS	NS	NS	NS	ND		0.0006	6E-05	ND		0.0004	5E-05	ND		0.001	0.0001
Naphthalene	500	1000	100	100	12	ND		0.0022	0.0004	ND		0.0016	0.0003	ND		0.004	0.0006
Acrylonitrile	NS	NS	NS	NS	NS	ND		0.0022	0.0006	ND		0.0016	0.0005	ND		0.004	0.0011
n-Propylbenzene	500	1000	100	100	3.9	ND		0.0006	0.0001	ND		0.0004	7E-05	ND		0.001	0.0002

Table 1: Summary of Soil Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-10				VTX-14				VTX-16			
LAB ID:						L1835720-01				L1835942-06				L1836518-03			
COLLECTION DATE:						9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:						SOIL				SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0011	0.0002	ND		0.0008	0.0001	ND		0.002	0.0003
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0011	0.0002	ND		0.0008	0.0001	ND		0.002	0.0003
1,3,5-Trimethylbenzene	190	380	47	52	8.4	ND		0.0011	0.0001	ND		0.0008	8E-05	ND		0.002	0.0002
1,2,4-Trimethylbenzene	190	380	47	52	3.6	ND		0.0011	0.0002	ND		0.0008	0.0001	ND		0.002	0.0003
1,4-Dioxane	130	250	9.8	13	0.1	ND		0.055	0.019	ND		0.041	0.014	ND		0.099	0.035
p-Diethylbenzene	NS	NS	NS	NS	NS	0.0002	J	0.0011	0.0001	ND		0.0008	7E-05	ND		0.002	0.0002
p-Ethyltoluene	NS	NS	NS	NS	NS	ND		0.0011	0.0002	ND		0.0008	0.0002	ND		0.002	0.0004
1,2,4,5-Tetramethylbenzene	NS	NS	NS	NS	NS	ND		0.0011	0.0001	ND		0.0008	8E-05	ND		0.002	0.0002
Ethyl ether	NS	NS	NS	NS	NS	ND		0.0011	0.0002	ND		0.0008	0.0001	ND		0.002	0.0003
trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	NS	ND		0.0028	0.0008	ND		0.0021	0.0006	ND		0.005	0.0014
Total VOCs	NS	NS	NS	NS	NS	0.0158	-	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)																	
Acenaphthene	500	1000	100	100	20	ND		0.14	0.018	ND		0.14	0.018	ND		0.14	0.018
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.17	0.019	ND		0.17	0.02	ND		0.17	0.019
Hexachlorobenzene	6	12	0.33	1.2	0.33	ND		0.1	0.019	ND		0.1	0.019	ND		0.1	0.019
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	ND		0.15	0.023	ND		0.16	0.023	ND		0.15	0.023
2-Chloronaphthalene	NS	NS	NS	NS	NS	ND		0.17	0.017	ND		0.17	0.017	ND		0.17	0.017
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.17	0.03	ND		0.17	0.031	ND		0.17	0.031
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.17	0.029	ND		0.17	0.03	ND		0.17	0.029
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.17	0.03	ND		0.17	0.03	ND		0.17	0.03
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	ND		0.17	0.045	ND		0.17	0.046	ND		0.17	0.045
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.17	0.034	ND		0.17	0.035	ND		0.17	0.034
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.17	0.029	ND		0.17	0.03	ND		0.17	0.029
Fluoranthene	500	1000	100	100	100	ND		0.1	0.019	ND		0.1	0.02	ND		0.1	0.02
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.17	0.018	ND		0.17	0.018	ND		0.17	0.018
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026
Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	NS	ND		0.2	0.029	ND		0.21	0.03	ND		0.2	0.029
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	ND		0.18	0.017	ND		0.19	0.017	ND		0.18	0.017
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.17	0.025	ND		0.17	0.025	ND		0.17	0.025
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	ND		0.48	0.15	ND		0.5	0.16	ND		0.49	0.15
Hexachloroethane	NS	NS	NS	NS	NS	ND		0.14	0.027	ND		0.14	0.028	ND		0.14	0.028
Isophorone	NS	NS	NS	NS	NS	ND		0.15	0.022	ND		0.16	0.022	ND		0.15	0.022
Naphthalene	500	1000	100	100	12	ND		0.17	0.021	ND		0.17	0.021	ND		0.17	0.021
Nitrobenzene	NS	NS	NS	NS	NS	ND		0.15	0.025	ND		0.16	0.026	ND		0.15	0.025
NDPA/DPA	NS	NS	NS	NS	NS	ND		0.14	0.019	ND		0.14	0.02	ND		0.14	0.019
n-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	ND		0.17	0.026	ND		0.17	0.027	ND		0.17	0.026
Bis(2-ethylhexyl)phthalate	NS	NS	NS	NS	NS	ND		0.17	0.059	ND		0.17	0.06	ND		0.17	0.059
Butyl benzyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.043	ND		0.17	0.044	ND		0.17	0.043
Di-n-butylphthalate	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.17	0.033	ND		0.17	0.032
Di-n-octylphthalate	NS	NS	NS	NS	NS	ND		0.17	0.058	ND		0.17	0.059	ND		0.17	0.058
Diethyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016
Dimethyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.036	ND		0.17	0.036	ND		0.17	0.036
Benzo(a)anthracene	5.6	11	1	1	1	ND		0.1	0.019	ND		0.1	0.02	ND		0.1	0.019
Benzo(a)pyrene	1	1.1	1	1	1	ND		0.14	0.041	ND		0.14	0.042	ND		0.14	0.042
Benzo(b)fluoranthene	5.6	11	1	1	1	ND		0.1	0.028	ND		0.1	0.029	ND		0.1	0.029
Benzo(k)fluoranthene	56	110	1	3.9	0.8	ND		0.1	0.027	ND		0.1	0.028	ND		0.1	0.027
Chrysene	56	110	1	3.9	1	ND		0.1	0.018	ND		0.1	0.018	ND		0.1	0.018
Acenaphthylene	500	1000	100	100	100	ND		0.14	0.026	ND		0.14	0.027	ND		0.14	0.026
Anthracene	500	1000	100	100	100	ND		0.1	0.033	ND		0.1	0.034	ND		0.1	0.033
Benzo(ghi)perylene	500	1000	100	100	100	ND		0.14	0.02	ND		0.14	0.02	ND		0.14	0.02
Fluorene	500	1000	100	100	30	ND		0.17	0.016	ND		0.17	0.017	ND		0.17	0.016
Phenanthrene	500	1000	100	100	100	ND		0.1	0.021	ND		0.1	0.021	ND		0.1	0.021
Dibenzo(a,h)anthracene	0.56	1.1	0.33	0.33	0.33	ND		0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Indeno(1,2,3-cd)pyrene	5.6	11	0.5	0.5	0.5	ND		0.14	0.024	ND		0.14	0.024	ND		0.14	0.024
Pyrene	500	1000	100	100	100	ND		0.1	0.017	ND		0.1	0.017	ND		0.1	0.017
Biphenyl	NS	NS	NS	NS	NS	ND		0.39	0.039	ND		0.4	0.04	ND		0.39	0.04
4-Chloroaniline	NS	NS	NS	NS	NS	ND		0.17	0.031	ND		0.17	0.032	ND		0.17	0.031
2-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.033	ND		0.17	0.033	ND		0.17	0.033
3-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.17	0.033	ND		0.17	0.032
4-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.07	ND		0.17	0.072	ND		0.17	0.07
Dibenzofuran	350	1000	14	59	7	ND		0.17	0.016	ND		0.17	0.016	ND		0.17	0.016
2-Methylnaphthalene	NS	NS	NS	NS	NS	ND		0.2	0.02	ND		0.21	0.021	ND		0.2	0.02
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	ND		0.17	0.018	ND		0.17	0.018	ND		0.17	0.018
Acetophenone	NS	NS	NS	NS	NS	ND		0.17	0.021	ND		0.17	0.021	ND		0.17	0.021
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.1	0.032	ND		0.1	0.033	ND		0.1	0.032
p-Chloro-m-cresol	NS	NS	NS	NS	NS	ND		0.17	0.025	ND		0.17	0.026	ND		0.17	0.025
2-Chlorophenol	NS	NS	NS	NS	NS	ND		0.17	0.02	ND		0.17	0.02	ND		0.17	0.02

Table 1: Summary of Soil Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	VTX-10				VTX-14				VTX-16			
LAB ID:						L1835720-01				L1835942-06				L1836518-03			
COLLECTION DATE:						9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:						SOIL				SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
2,4-Dichlorophenol	NS	NS	NS	NS	NS	ND		0.15	0.027	ND		0.16	0.028	ND		0.15	0.027
2,4-Dimethylphenol	NS	NS	NS	NS	NS	ND		0.17	0.056	ND		0.17	0.057	ND		0.17	0.056
2-Nitrophenol	NS	NS	NS	NS	NS	ND		0.37	0.064	ND		0.37	0.065	ND		0.37	0.064
4-Nitrophenol	NS	NS	NS	NS	NS	ND		0.24	0.069	ND		0.24	0.071	ND		0.24	0.07
2,4-Dinitrophenol	NS	NS	NS	NS	NS	ND		0.82	0.079	ND		0.83	0.081	ND		0.82	0.079
4,6-Dinitro-o-cresol	NS	NS	NS	NS	NS	ND		0.44	0.082	ND		0.45	0.083	ND		0.44	0.082
Pentachlorophenol	6.7	55	2.4	6.7	0.8	ND		0.14	0.037	ND		0.14	0.038	ND		0.14	0.037
Phenol	500	1000	100	100	0.33	ND		0.17	0.026	ND		0.17	0.026	ND		0.17	0.026
2-Methylphenol	500	1000	100	100	0.33	ND		0.17	0.026	ND		0.17	0.027	ND		0.17	0.026
3-Methylphenol/4-Methylphenol	500	1000	34	100	0.33	ND		0.24	0.026	ND		0.25	0.027	ND		0.24	0.027
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.17	0.033	ND		0.17	0.033
Benzoic Acid	NS	NS	NS	NS	NS	ND		0.55	0.17	ND		0.56	0.18	ND		0.55	0.17
Benzyl Alcohol	NS	NS	NS	NS	NS	ND		0.17	0.052	ND		0.17	0.053	ND		0.17	0.052
Carbazole	NS	NS	NS	NS	NS	ND		0.17	0.016	ND		0.17	0.017	ND		0.17	0.016
Total SVOCs	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS (mg/kg)																	
Aluminum, Total	NS	NS	NS	NS	NS	932		7.98	2.16	777		8.11	2.19	-		-	-
Antimony, Total	NS	NS	NS	NS	NS	0.431	J	3.99	0.303	ND		4.06	0.308	-		-	-
Arsenic, Total	16	16	16	16	13	0.998		0.798	0.166	0.674	J	0.811	0.169	-		-	-
Barium, Total	400	10000	350	400	350	8.22		0.798	0.139	4.64		0.811	0.141	-		-	-
Beryllium, Total	590	2700	14	72	7.2	0.064	J	0.399	0.026	0.105	J	0.406	0.027	-		-	-
Cadmium, Total	9.3	60	2.5	4.3	2.5	0.096	J	0.798	0.078	0.089	J	0.811	0.08	-		-	-
Calcium, Total	NS	NS	NS	NS	NS	3730		7.98	2.79	32		8.11	2.84	-		-	-
Chromium, Total	NS	NS	NS	NS	NS	13.8		0.798	0.077	2.08		0.811	0.078	-		-	-
Cobalt, Total	NS	NS	NS	NS	NS	1.26	J	1.6	0.132	1.16	J	1.62	0.135	-		-	-
Copper, Total	270	10000	270	270	50	3.42		0.798	0.206	44.8		0.811	0.209	-		-	-
Iron, Total	NS	NS	NS	NS	NS	4080		3.99	0.721	2880		4.06	0.733	-		-	-
Lead, Total	1000	3900	400	400	63	1.85	J	3.99	0.214	1.1	J	4.06	0.217	-		-	-
Magnesium, Total	NS	NS	NS	NS	NS	1870		7.98	1.23	204		8.11	1.25	-		-	-
Manganese, Total	10000	10000	2000	2000	1600	49.1		0.798	0.127	53.8		0.811	0.129	-		-	-
Mercury, Total	2.8	5.7	0.81	0.81	0.18	ND		0.065	0.014	ND		0.067	0.014	-		-	-
Nickel, Total	310	10000	140	310	30	2.98		2	0.193	2.63		2.03	0.196	-		-	-
Potassium, Total	NS	NS	NS	NS	NS	152	J	200	11.5	128	J	203	11.7	-		-	-
Selenium, Total	1500	6800	36	180	3.9	ND		1.6	0.206	ND		1.62	0.209	-		-	-
Silver, Total	1500	6800	36	180	2	ND		0.798	0.226	ND		0.811	0.23	-		-	-
Sodium, Total	NS	NS	NS	NS	NS	40.9	J	160	2.51	11.3	J	162	2.56	-		-	-
Thallium, Total	NS	NS	NS	NS	NS	ND		1.6	0.251	ND		1.62	0.256	-		-	-
Vanadium, Total	NS	NS	NS	NS	NS	4.49		0.798	0.162	2.38		0.811	0.165	-		-	-
Zinc, Total	10000	10000	2200	10000	109	5.45		3.99	0.234	7.28		4.06	0.238	-		-	-
GENERAL CHEMISTRY																	
Solids, Total	NS	NS	NS	NS	NS	97.1		0.1	NA	93.5		0.1	NA	96.5		0.1	NA

* Comparison is not performed on parameters with non-numeric criteria.
RUSCO-C: New York NYCRR Part 375 Commercial Criteria, New York Restricted Use Criteria
RUSCO-I: New York NYCRR Part 375 Industrial Criteria, New York Restricted Use Criteria
RSUCO-R: New York NYCRR Part 375 Residential Criteria, New York Restricted Use Criteria
RUSCO-RR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted Use Criteria
UUSCO: New York NYCRR Part 375 New York Unrestricted Use Criteria Criteria
mg/kg: milligrams per kilogram
Conc: Concentration
Q: Laboratory Qualifier
RL: Reporting Limit
MDL: Method Detection Limit
Highlighted and bolded concentrations exceed one or more of applicable standards
NS: No Standard
ND: Non-Detect
J: Laboratory reported at an estimated concentration

Table 2: Summary of Soil Characterization Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	WC-1				WC-2			
						L1836162-06				L1836162-02			
						9/12/2018				9/12/2018			
						SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS (mg/kg)													
Methylene chloride	500	1000	51	100	0.05	ND		0.0046	0.0021	ND		0.0052	0.0024
1,1-Dichloroethane	240	480	19	26	0.27	ND		0.00092	0.00013	ND		0.001	0.00015
Chloroform	350	700	10	49	0.37	ND		0.0014	0.00013	ND		0.0016	0.00015
Carbon tetrachloride	22	44	1.4	2.4	0.76	ND		0.00092	0.00021	ND		0.001	0.00024
1,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.00092	0.00012	ND		0.001	0.00013
Dibromochloromethane	NS	NS	NS	NS	NS	ND		0.00092	0.00013	ND		0.001	0.00015
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	ND		0.00092	0.00024	ND		0.001	0.00028
Tetrachloroethene	150	300	5.5	19	1.3	ND		0.00046	0.00018	ND		0.00052	0.0002
Chlorobenzene	500	1000	100	100	1.1	ND		0.00046	0.00012	ND		0.00052	0.00013
Trichlorofluoromethane	NS	NS	NS	NS	NS	ND		0.0037	0.00064	ND		0.0042	0.00072
1,2-Dichloroethane	30	60	2.3	3.1	0.02	ND		0.00092	0.00024	ND		0.001	0.00027
1,1,1-Trichloroethane	500	1000	100	100	0.68	ND		0.00046	0.00015	ND		0.00052	0.00017
Bromodichloromethane	NS	NS	NS	NS	NS	ND		0.00046	0.0001	ND		0.00052	0.00011
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00092	0.00025	ND		0.001	0.00028
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00046	0.00014	ND		0.00052	0.00016
1,3-Dichloropropene, Total	NS	NS	NS	NS	NS	ND		0.00046	0.00014	ND		0.00052	0.00016
1,1-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00046	0.00015	ND		0.00052	0.00016
Bromoform	NS	NS	NS	NS	NS	ND		0.0037	0.00023	ND		0.0042	0.00026
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.00046	0.00015	ND		0.00052	0.00017
Benzene	44	89	2.9	4.8	0.06	ND		0.00046	0.00015	ND		0.00052	0.00017
Toluene	500	1000	100	100	0.7	ND		0.00092	0.0005	ND		0.001	0.00057
Ethylbenzene	390	780	30	41	1	ND		0.00092	0.00013	ND		0.001	0.00015
Chloromethane	NS	NS	NS	NS	NS	ND		0.0037	0.00086	ND		0.0042	0.00097
Bromomethane	NS	NS	NS	NS	NS	ND		0.0018	0.00054	ND		0.0021	0.0006
Vinyl chloride	13	27	0.21	0.9	0.02	ND		0.00092	0.00031	ND		0.001	0.00035
Chloroethane	NS	NS	NS	NS	NS	ND		0.0018	0.00042	ND		0.0021	0.00047
1,1-Dichloroethene	500	1000	100	100	0.33	ND		0.00092	0.00022	ND		0.001	0.00025
trans-1,2-Dichloroethene	500	1000	100	100	0.19	ND		0.0014	0.00013	ND		0.0016	0.00014
Trichloroethene	200	400	10	21	0.47	ND		0.00046	0.00013	ND		0.00052	0.00014
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.0018	0.00013	ND		0.0021	0.00015
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.0018	0.00014	ND		0.0021	0.00015
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.0018	0.00016	ND		0.0021	0.00018
Methyl tert butyl ether	500	1000	62	100	0.93	ND		0.0018	0.00018	ND		0.0021	0.00021
p/m-Xylene	NS	NS	NS	NS	NS	ND		0.0018	0.00052	ND		0.0021	0.00058
o-Xylene	NS	NS	NS	NS	NS	ND		0.00092	0.00027	ND		0.001	0.0003
Xylenes, Total	500	1000	100	100	0.26	ND		0.00092	0.00027	ND		0.001	0.0003
cis-1,2-Dichloroethene	500	1000	59	100	0.25	ND		0.00092	0.00016	ND		0.001	0.00018
1,2-Dichloroethene, Total	NS	NS	NS	NS	NS	ND		0.00092	0.00013	ND		0.001	0.00014
Dibromomethane	NS	NS	NS	NS	NS	ND		0.0018	0.00022	ND		0.0021	0.00025
Styrene	NS	NS	NS	NS	NS	ND		0.00092	0.00018	ND		0.001	0.0002
Dichlorodifluoromethane	NS	NS	NS	NS	NS	ND		0.0092	0.00084	ND		0.01	0.00095
Acetone	500	1000	100	100	0.05	0.0071	J	0.0092	0.0044	ND		0.01	0.005
Carbon disulfide	NS	NS	NS	NS	NS	ND		0.0092	0.0042	ND		0.01	0.0047
2-Butanone	500	1000	100	100	0.12	ND		0.0092	0.002	ND		0.01	0.0023
Vinyl acetate	NS	NS	NS	NS	NS	ND		0.0092	0.002	ND		0.01	0.0022
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	ND		0.0092	0.0012	ND		0.01	0.0013
1,2,3-Trichloropropane	NS	NS	NS	NS	NS	ND		0.0018	0.00012	ND		0.0021	0.00013
2-Hexanone	NS	NS	NS	NS	NS	ND		0.0092	0.0011	ND		0.01	0.0012
Bromochloromethane	NS	NS	NS	NS	NS	ND		0.0018	0.00019	ND		0.0021	0.00021
2,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0018	0.00019	ND		0.0021	0.00021
1,2-Dibromoethane	NS	NS	NS	NS	NS	ND		0.00092	0.00026	ND		0.001	0.00029
1,3-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0018	0.00015	ND		0.0021	0.00017
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.00046	0.00012	ND		0.00052	0.00014
Bromobenzene	NS	NS	NS	NS	NS	ND		0.0018	0.00013	ND		0.0021	0.00015
n-Butylbenzene	500	1000	100	100	12	ND		0.00092	0.00015	ND		0.001	0.00017
sec-Butylbenzene	500	1000	100	100	11	ND		0.00092	0.00013	ND		0.001	0.00015
tert-Butylbenzene	500	1000	100	100	5.9	ND		0.0018	0.00011	ND		0.0021	0.00012
o-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0018	0.00018	ND		0.0021	0.0002
p-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0018	0.0001	ND		0.0021	0.00011
1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	NS	ND		0.0028	0.00092	ND		0.0031	0.001
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.0037	0.00016	ND		0.0042	0.00018
Isopropylbenzene	NS	NS	NS	NS	NS	ND		0.00092	0.0001	ND		0.001	0.00011
p-Isopropyltoluene	NS	NS	NS	NS	NS	ND		0.00092	0.0001	ND		0.001	0.00011
Naphthalene	500	1000	100	100	12	ND		0.0037	0.0006	ND		0.0042	0.00068
Acrylonitrile	NS	NS	NS	NS	NS	ND		0.0037	0.001	ND		0.0042	0.0012

Table 2: Summary of Soil Characterization Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	WC-1				WC-2			
						L1836162-06				L1836162-02			
						9/12/2018				9/12/2018			
						SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
n-Propylbenzene	500	1000	100	100	3.9	ND		0.00092	0.00016	ND		0.001	0.00018
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0018	0.0003	ND		0.0021	0.00034
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0018	0.00025	ND		0.0021	0.00028
1,3,5-Trimethylbenzene	190	380	47	52	8.4	ND		0.0018	0.00018	ND		0.0021	0.0002
1,2,4-Trimethylbenzene	190	380	47	52	3.6	ND		0.0018	0.00031	ND		0.0021	0.00035
1,4-Dioxane	130	250	9.8	13	0.1	ND		0.092	0.032	ND		0.1	0.037
p-Diethylbenzene	NS	NS	NS	NS	NS	ND		0.0018	0.00016	ND		0.0021	0.00018
p-Ethyltoluene	NS	NS	NS	NS	NS	ND		0.0018	0.00035	ND		0.0021	0.0004
1,2,4,5-Tetramethylbenzene	NS	NS	NS	NS	NS	ND		0.0018	0.00018	ND		0.0021	0.0002
Ethyl ether	NS	NS	NS	NS	NS	ND		0.0018	0.00031	ND		0.0021	0.00036
trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	NS	ND		0.0046	0.0013	ND		0.0052	0.0015
Total VOCs	NS	NS	NS	NS	NS	0.0071	-	-	-	-	-	-	-
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)													
Acenaphthene	500	1000	100	100	20	ND		0.13	0.017	ND		0.14	0.018
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.17	0.019	ND		0.18	0.02
Hexachlorobenzene	6	12	0.33	1.2	0.33	ND		0.1	0.019	ND		0.11	0.02
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	ND		0.15	0.023	ND		0.16	0.024
2-Chloronaphthalene	NS	NS	NS	NS	NS	ND		0.17	0.017	ND		0.18	0.018
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.17	0.03	ND		0.18	0.032
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.17	0.029	ND		0.18	0.031
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.17	0.029	ND		0.18	0.031
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	ND		0.17	0.045	ND		0.18	0.047
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.17	0.034	ND		0.18	0.036
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.17	0.029	ND		0.18	0.031
Fluoranthene	500	1000	100	100	100	ND		0.1	0.019	ND		0.11	0.02
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.17	0.018	ND		0.18	0.019
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.17	0.026	ND		0.18	0.027
Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	NS	ND		0.2	0.029	ND		0.21	0.03
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	ND		0.18	0.017	ND		0.19	0.018
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.17	0.025	ND		0.18	0.026
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	ND		0.48	0.15	ND		0.51	0.16
Hexachloroethane	NS	NS	NS	NS	NS	ND		0.13	0.027	ND		0.14	0.029
Isophorone	NS	NS	NS	NS	NS	ND		0.15	0.022	ND		0.16	0.023
Naphthalene	500	1000	100	100	12	ND		0.17	0.02	ND		0.18	0.022
Nitrobenzene	NS	NS	NS	NS	NS	ND		0.15	0.025	ND		0.16	0.026
NDPA/DPA	NS	NS	NS	NS	NS	ND		0.13	0.019	ND		0.14	0.02
n-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	ND		0.17	0.026	ND		0.18	0.028
Bis(2-ethylhexyl)phthalate	NS	NS	NS	NS	NS	ND		0.17	0.058	ND		0.18	0.062
Butyl benzyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.042	ND		0.18	0.045
Di-n-butylphthalate	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.18	0.034
Di-n-octylphthalate	NS	NS	NS	NS	NS	ND		0.17	0.057	ND		0.18	0.061
Diethyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.016	ND		0.18	0.016
Dimethyl phthalate	NS	NS	NS	NS	NS	ND		0.17	0.035	ND		0.18	0.037
Benzo(a)anthracene	5.6	11	1	1	1	ND		0.1	0.019	ND		0.11	0.02
Benzo(a)pyrene	1	1.1	1	1	1	ND		0.13	0.041	ND		0.14	0.044
Benzo(b)fluoranthene	5.6	11	1	1	1	ND		0.1	0.028	ND		0.11	0.03
Benzo(k)fluoranthene	56	110	1	3.9	0.8	ND		0.1	0.027	ND		0.11	0.028
Chrysene	56	110	1	3.9	1	ND		0.1	0.018	ND		0.11	0.018
Acenaphthylene	500	1000	100	100	100	ND		0.13	0.026	ND		0.14	0.028
Anthracene	500	1000	100	100	100	ND		0.1	0.033	ND		0.11	0.035
Benzo(ghi)perylene	500	1000	100	100	100	ND		0.13	0.02	ND		0.14	0.021
Fluorene	500	1000	100	100	30	ND		0.17	0.016	ND		0.18	0.017
Phenanthrene	500	1000	100	100	100	ND		0.1	0.02	ND		0.11	0.022
Dibenzo(a,h)anthracene	0.56	1.1	0.33	0.33	0.33	ND		0.1	0.019	ND		0.11	0.021
Indeno(1,2,3-cd)pyrene	5.6	11	0.5	0.5	0.5	ND		0.13	0.024	ND		0.14	0.025
Pyrene	500	1000	100	100	100	ND		0.1	0.017	ND		0.11	0.018
Biphenyl	NS	NS	NS	NS	NS	ND		0.38	0.039	ND		0.41	0.041
4-Chloroaniline	NS	NS	NS	NS	NS	ND		0.17	0.031	ND		0.18	0.032
2-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.18	0.034
3-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.18	0.034
4-Nitroaniline	NS	NS	NS	NS	NS	ND		0.17	0.07	ND		0.18	0.074
Dibenzofuran	350	1000	14	59	7	ND		0.17	0.016	ND		0.18	0.017
2-Methylnaphthalene	NS	NS	NS	NS	NS	ND		0.2	0.02	ND		0.21	0.022
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	ND		0.17	0.018	ND		0.18	0.019
Acetophenone	NS	NS	NS	NS	NS	ND		0.17	0.021	ND		0.18	0.022
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.1	0.032	ND		0.11	0.034

Table 2 Summary of Soil Characterization Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	WC-1				WC-2			
						L1836162-06				L1836162-02			
						9/12/2018				9/12/2018			
						SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
p-Chloro-m-cresol	NS	NS	NS	NS	NS	ND		0.17	0.025	ND		0.18	0.027
2-Chlorophenol	NS	NS	NS	NS	NS	ND		0.17	0.02	ND		0.18	0.021
2,4-Dichlorophenol	NS	NS	NS	NS	NS	ND		0.15	0.027	ND		0.16	0.029
2,4-Dimethylphenol	NS	NS	NS	NS	NS	ND		0.17	0.056	ND		0.18	0.059
2-Nitrophenol	NS	NS	NS	NS	NS	ND		0.36	0.063	ND		0.38	0.067
4-Nitrophenol	NS	NS	NS	NS	NS	ND		0.24	0.069	ND		0.25	0.073
2,4-Dinitrophenol	NS	NS	NS	NS	NS	ND		0.81	0.079	ND		0.86	0.083
4,6-Dinitro-o-cresol	NS	NS	NS	NS	NS	ND		0.44	0.081	ND		0.46	0.086
Pentachlorophenol	6.7	55	2.4	6.7	0.8	ND		0.13	0.037	ND		0.14	0.039
Phenol	500	1000	100	100	0.33	ND		0.17	0.025	ND		0.18	0.027
2-Methylphenol	500	1000	100	100	0.33	ND		0.17	0.026	ND		0.18	0.028
3-Methylphenol/4-Methylphenol	500	1000	34	100	0.33	ND		0.24	0.026	ND		0.26	0.028
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.17	0.032	ND		0.18	0.034
Benzoic Acid	NS	NS	NS	NS	NS	ND		0.55	0.17	ND		0.58	0.18
Benzyl Alcohol	NS	NS	NS	NS	NS	ND		0.17	0.052	ND		0.18	0.055
Carbazole	NS	NS	NS	NS	NS	ND		0.17	0.016	ND		0.18	0.017
Total SVOCs	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-
PESTICIDES (mg/kg)													
Delta-BHC	500	1000	100	100	0.04	ND		0.0016	0.000314	ND		0.00168	0.00033
Lindane	9.2	23	0.28	1.3	0.1	ND		0.000667	0.000298	ND		0.000702	0.000314
Alpha-BHC	3.4	6.8	0.097	0.48	0.02	ND		0.000667	0.00019	ND		0.000702	0.000199
Beta-BHC	3	14	0.072	0.36	0.036	ND		0.0016	0.000607	ND		0.00168	0.000639
Heptachlor	15	29	0.42	2.1	0.042	0.00102		0.000801	0.000359	ND		0.000842	0.000378
Aldrin	0.68	1.4	0.019	0.097	0.005	ND		0.0016	0.000564	ND		0.00168	0.000593
Heptachlor epoxide						0.00157	J	0.003	0.000901	ND		0.00316	0.000948
Endrin	89	410	2.2	11	0.014	0.000863		0.000667	0.000274	0.000333	J	0.000702	0.000288
Endrin aldehyde						ND		0.002	0.000701	ND		0.00211	0.000737
Endrin ketone						ND		0.0016	0.000412	ND		0.00168	0.000434
Dieldrin	1.4	2.8	0.039	0.2	0.005	0.000633	J	0.001	0.0005	ND		0.00105	0.000526
4,4'-DDE	62	120	1.8	8.9	0.0033	0.00228		0.0016	0.00037	0.00052	J	0.00168	0.00039
4,4'-DDD	92	180	2.6	13	0.0033	ND		0.0016	0.000571	ND		0.00168	0.000601
4,4'-DDT	47	94	1.7	7.9	0.0033	0.0123		0.003	0.00129	0.00197	J	0.00316	0.00135
Endosulfan I	200	920	4.8	24	2.4	ND		0.0016	0.000378	ND		0.00168	0.000398
Endosulfan II	200	920	4.8	24	2.4	ND		0.0016	0.000535	ND		0.00168	0.000563
Endosulfan sulfate	200	920	4.8	24	2.4	ND		0.000667	0.000318	ND		0.000702	0.000334
Methoxychlor						ND		0.003	0.000934	ND		0.00316	0.000983
Toxaphene						ND		0.03	0.00841	ND		0.0316	0.00884
cis-Chlordane	24	47	0.91	4.2	0.094	0.00934	P	0.002	0.000558	0.00144	J	0.00211	0.000587
trans-Chlordane						0.00613		0.002	0.000529	0.00191	J	0.00211	0.000556
Chlordane						0.121		0.013	0.00531	ND		0.0137	0.00558
POLYCHLORINATED BIPHENYLS (mg/kg)													
Aroclor 1016	1	25	1	1	0.1	ND		0.0337	0.003	ND		0.034	0.00302
Aroclor 1221	1	25	1	1	0.1	ND		0.0337	0.00338	ND		0.034	0.00341
Aroclor 1232	1	25	1	1	0.1	ND		0.0337	0.00715	ND		0.034	0.00721
Aroclor 1242	1	25	1	1	0.1	ND		0.0337	0.00455	ND		0.034	0.00459
Aroclor 1248	1	25	1	1	0.1	ND		0.0337	0.00506	ND		0.034	0.0051
Aroclor 1254	1	25	1	1	0.1	ND		0.0337	0.00369	ND		0.034	0.00372
Aroclor 1260	1	25	1	1	0.1	ND		0.0337	0.00624	ND		0.034	0.00629
Aroclor 1262	1	25	1	1	0.1	ND		0.0337	0.00428	ND		0.034	0.00432
Aroclor 1268	1	25	1	1	0.1	ND		0.0337	0.0035	ND		0.034	0.00352
PCBs, Total	1	25	1	1	0.1	ND		0.0337	0.003	ND		0.034	0.00302
TOTAL METALS (mg/kg)													
Aluminum, Total	NS	NS	NS	NS	NS	2330		7.76	2.09	1560		8.61	2.32
Antimony, Total	NS	NS	NS	NS	NS	ND		3.88	0.295	ND		4.3	0.327
Arsenic, Total	16	16	16	16	13	1.79		0.776	0.161	1.32		0.861	0.179
Barium, Total	400	10000	350	400	350	7.3		0.776	0.135	9.74		0.861	0.15
Beryllium, Total	590	2700	14	72	7.2	0.07	J	0.388	0.026	0.052	J	0.43	0.028
Cadmium, Total	9.3	60	2.5	4.3	2.5	ND		0.776	0.076	ND		0.861	0.084
Calcium, Total	NS	NS	NS	NS	NS	353		7.76	2.72	158		8.61	3.01
Chromium, Total	NS	NS	NS	NS	NS	3.95		0.776	0.075	10.6		0.861	0.083
Cobalt, Total	NS	NS	NS	NS	NS	1.85		1.55	0.129	1.1	J	1.72	0.143
Copper, Total	270	10000	270	270	50	3.11		0.776	0.2	2.55		0.861	0.222
Iron, Total	NS	NS	NS	NS	NS	4110		3.88	0.7	3750		4.3	0.777
Lead, Total	1000	3900	400	400	63	2	J	3.88	0.208	2.04	J	4.3	0.231
Magnesium, Total	NS	NS	NS	NS	NS	449		7.76	1.19	215		8.61	1.32
Manganese, Total	10000	10000	2000	2000	1600	69.1		0.776	0.123	82.2		0.861	0.137

Table 2: Summary of Soil Characterization Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	WC-1				WC-2			
LAB ID:						L1836162-06				L1836162-02			
COLLECTION DATE:						9/12/2018				9/12/2018			
SAMPLE MATRIX:						SOIL				SOIL			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
Mercury, Total	2.8	5.7	0.81	0.81	0.18	ND		0.064	0.014	ND		0.068	0.014
Nickel, Total	310	10000	140	310	30	2.26		1.94	0.188	1.3	J	2.15	0.208
Potassium, Total	NS	NS	NS	NS	NS	194		194	11.2	126	J	215	12.4
Selenium, Total	1500	6800	36	180	3.9	0.287	J	1.55	0.2	0.25	J	1.72	0.222
Silver, Total	1500	6800	36	180	2	ND		0.776	0.22	ND		0.861	0.244
Sodium, Total	NS	NS	NS	NS	NS	21.1	J	155	2.44	15.7	J	172	2.71
Thallium, Total	NS	NS	NS	NS	NS	ND		1.55	0.244	ND		1.72	0.271
Vanadium, Total	NS	NS	NS	NS	NS	4.61		0.776	0.157	4.5		0.861	0.175
Zinc, Total	10000	10000	2200	10000	109	6.87		3.88	0.227	3.83	J	4.3	0.252
GENERAL CHEMISTRY													
Solids, Total	NS	NS	NS	NS	NS	97.8		0.1	NA	92.2		0.1	NA
Cyanide, Total	27	10000	27	27	27	ND		0.99	0.21	ND		1	0.22
pH (H)	NS	NS	NS	NS	NS	7.2		0	NA	7.8		0	NA
Cyanide, Reactive	NS	NS	NS	NS	NS	ND		10	10	ND		10	10
Sulfide, Reactive	NS	NS	NS	NS	NS	ND		10	10	ND		10	10
IGNITABILITY OF SOLIDS													
Ignitability	NS	NS	NS	NS	NS	ND		NA	NA	ND		NA	NA

* Comparison is not performed on parameters with non-numeric criteria.

RUSCO-C: New York NYCRR Part 375 Commercial Criteria, New York Restricted Use Criteria

RUSCO-I: New York NYCRR Part 375 Industrial Criteria, New York Restricted Use Criteria

RSUCO-R: New York NYCRR Part 375 Residential Criteria, New York Restricted Use Criteria

RUSCO-RR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted Use Criteria

UUSCO: New York NYCRR Part 375 New York Unrestricted Use Criteria Criteria

mg/kg: milligrams per kilogram

Conc: Concentration

Q: Laboratory Qualifier

RL: Reporting Limit

MDL: Method Detection Limit

Highlighted and bolded concentrations exceed one or more of applicable standards

NS: No Standard

ND: Non-Detect

J: Laboratory reported at an estimated concentration

Table 3: Summary of Groundwater Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	AWQS	TOGS-GA	TW-5				TW-7				TW-8				TW-10				TW-11				TW-12				TW-14			
LAB ID:			L1836518-05				L1835942-02				L1836162-03				L1835720-02				L1835720-03				L1835942-05				L1836518-04			
COLLECTION DATE:			9/13/2018				9/11/2018				9/12/2018				9/10/2018				9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS (ug/l)																														
Methylene chloride	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloroform	7	7	3.8		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Carbon tetrachloride	5	5	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,2-Dichloropropane	1	1	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14	ND		1	0.14
Dibromochloromethane	50	50	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15	ND		0.5	0.15
1,1,2-Trichloroethane	1	1	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5	ND		1.5	0.5
Tetrachloroethene	5	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
Chlorobenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichlorofluoromethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethane	0.6	0.6	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13	ND		0.5	0.13
1,1,1-Trichloroethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromodichloromethane	50	50	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19	ND		0.5	0.19
trans-1,3-Dichloropropene	0.4	0.4	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
cis-1,3-Dichloropropene	0.4	0.4	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,3-Dichloropropene, Total	NS	NS	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14	ND		0.5	0.14
1,1-Dichloropropene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromoform	50	50	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,1,2,2-Tetrachloroethane	5	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
Benzene	1	1	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16	ND		0.5	0.16
Toluene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Ethylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Chloromethane	NS	NS	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromomethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Vinyl chloride	2	2	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07	ND		1	0.07
Chloroethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1-Dichloroethene	5	5	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17	ND		0.5	0.17
trans-1,2-Dichloroethene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Trichloroethene	5	5	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18	ND		0.5	0.18
1,2-Dichlorobenzene	3	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3-Dichlorobenzene	3	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dichlorobenzene	3	3	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Methyl tert butyl ether	10	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p/m-Xylene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Xylene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Xylenes, Total	NS	NS	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
cis-1,2-Dichloroethene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dichloroethene, Total	NS	NS	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dibromomethane	5	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
1,2,3-Trichloropropane	0.04	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Acrylonitrile	5	5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5	ND		5	1.5
Styrene	5	930	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Dichlorodifluoromethane	5	5	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Acetone	50	50	3.5	J	5	1.5	8.8		5	1.5	3.5	J	5	1.5	1.7	J	5	1.5	4.1	J	5	1.5	11		5	1.5	ND		5	1.5

Table 3: Summary of Groundwater Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	AWQS	TOGS-GA	TW-5				TW-7				TW-8				TW-10				TW-11				TW-12				TW-14			
LAB ID:			L1836518-05				L1835942-02				L1836162-03				L1835720-02				L1835720-03				L1835942-05				L1836518-04			
COLLECTION DATE:			9/13/2018				9/11/2018				9/12/2018				9/10/2018				9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Carbon disulfide	60	60	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Butanone	50	50	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	ND		5	1.9	3	J	5	1.9	ND		5	1.9
Vinyl acetate	NS	NS	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
4-Methyl-2-pentanone	NS	NS	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
2-Hexanone	50	50	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1	ND		5	1
Bromochloromethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
2,2-Dichloropropane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromoethane	0.0006	0.0006	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65	ND		2	0.65
1,3-Dichloropropane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,1,1,2-Tetrachloroethane	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Bromobenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Butylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
sec-Butylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
tert-Butylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
o-Chlorotoluene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Chlorotoluene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2-Dibromo-3-chloropropane	0.04	0.04	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Hexachlorobutadiene	0.5	0.5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Isopropylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
p-Isopropyltoluene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Naphthalene	10	10	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
n-Propylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,3-Trichlorobenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trichlorobenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,3,5-Trimethylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,2,4-Trimethylbenzene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
1,4-Dioxane	NS	NS	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61	ND		250	61
p-Diethylbenzene	NS	NS	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
p-Ethyltoluene	NS	NS	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7	ND		2	0.7
1,2,4,5-Tetramethylbenzene	5	5	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54	ND		2	0.54
Ethyl ether	NS	NS	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
trans-1,4-Dichloro-2-butene	5	5	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7	ND		2.5	0.7
Total VOCs	NS	NS	7.3	-	-	-	8.8	-	-	-	3.5	-	-	-	1.7	-	-	-	4.1	-	-	-	14	-	-	-	-	-	-	-
SEMIVOLATILE ORGANIC COMPOUNDS (ug/l)																														
1,2,4-Trichlorobenzene	5	5	ND		6.3	0.62	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5
Bis(2-chloroethyl)ether	1	1	ND		2.5	0.63	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5
1,2-Dichlorobenzene	3	3	ND		2.5	0.57	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45	ND		2	0.45
1,3-Dichlorobenzene	3	3	ND		2.5	0.5	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4	ND		2	0.4
1,4-Dichlorobenzene	3	3	ND		2.5	0.54	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43	ND		2	0.43
3,3'-Dichlorobenzidine	5	5	ND		6.3	2	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6	ND		5	1.6
2,4-Dinitrotoluene	5	5	ND		6.3	1.4	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2
2,6-Dinitrotoluene	5	5	ND		6.3	1.2	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93	ND		5	0.93
4-Chlorophenyl phenyl ether	NS	NS	ND		2.5	0.61	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49
4-Bromophenyl phenyl ether	NS	NS	ND		2.5	0.47	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38	ND		2	0.38
Bis(2-chloroisopropyl)ether	5	5	ND		2.5	0.66	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53	ND		2	0.53

Table 3: Summary of Groundwater Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	AWQS	TOGS-GA	TW-5				TW-7				TW-8				TW-10				TW-11				TW-12				TW-14			
LAB ID:			L1836518-05				L1835942-02				L1836162-03				L1835720-02				L1835720-03				L1835942-05				L1836518-04			
COLLECTION DATE:			9/13/2018				9/11/2018				9/12/2018				9/10/2018				9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Bis(2-chloroethoxy)methane	5	5	ND		6.3	0.63	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5
Hexachlorocyclopentadiene	5	5	ND		25	0.86	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69	ND		20	0.69
Isophorone	50	50	ND		6.3	1.5	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2
Nitrobenzene	0.4	0.4	ND		2.5	0.96	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77	ND		2	0.77
NDPA/DPA	50	50	ND		2.5	0.52	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42	ND		2	0.42
n-Nitrosodi-n-propylamine	NS	NS	ND		6.3	0.8	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64	ND		5	0.64
Bis(2-ethylhexyl)phthalate	5	5	ND		3.8	1.9	ND		3	1.5	ND		3	1.5	ND		3	1.5	2.6	J	3	1.5	ND		3	1.5	ND		3	1.5
Butyl benzyl phthalate	50	50	ND		6.3	1.5	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2	ND		5	1.2
Di-n-butylphthalate	50	50	ND		6.3	0.49	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39	ND		5	0.39
Di-n-octylphthalate	50	50	ND		6.3	1.6	ND		5	1.3	ND		5	1.3	ND		5	1.3	8.6		5	1.3	ND		5	1.3	ND		5	1.3
Diethyl phthalate	50	50	ND		6.3	0.48	ND		5	0.38	ND		5	0.38	1.9	J	5	0.38	0.55	J	5	0.38	ND		5	0.38	ND		5	0.38
Dimethyl phthalate	50	50	ND		6.3	2.3	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8
Biphenyl	NS	NS	ND		2.5	0.57	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46	ND		2	0.46
4-Chloroaniline	5	5	ND		6.3	1.3	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1	ND		5	1.1
2-Nitroaniline	5	5	ND		6.3	0.62	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5	ND		5	0.5
3-Nitroaniline	5	5	ND		6.3	1	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81	ND		5	0.81
4-Nitroaniline	5	5	ND		6.3	1	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8	ND		5	0.8
Dibenzofuran	NS	NS	ND		2.5	0.62	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5	ND		2	0.5
1,2,4,5-Tetrachlorobenzene	5	5	ND		12	0.55	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44	ND		10	0.44
Acetophenone	NS	NS	ND		6.3	0.66	ND		5	0.53	ND		5	0.53	ND		5	0.53	ND		5	0.53	ND		5	0.53	ND		5	0.53
2,4,6-Trichlorophenol	NS	NS	ND		6.3	0.76	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61	ND		5	0.61
p-Chloro-m-cresol	NS	NS	ND		2.5	0.44	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35	ND		2	0.35
2-Chlorophenol	NS	NS	ND		2.5	0.6	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48	ND		2	0.48
2,4-Dichlorophenol	1	2	ND		6.3	0.51	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41	ND		5	0.41
2,4-Dimethylphenol	50	2	ND		6.3	2.2	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8	ND		5	1.8
2-Nitrophenol	NS	NS	ND		12	1	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85	ND		10	0.85
4-Nitrophenol	NS	NS	ND		12	0.84	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67	ND		10	0.67
2,4-Dinitrophenol	10	2	ND		25	8.3	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6	ND		20	6.6
4,6-Dinitro-o-cresol	NS	NS	ND		12	2.3	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8	ND		10	1.8
Phenol	1	2	ND		6.3	0.71	ND		5	0.57	ND		5	0.57	ND		5	0.57	ND		5	0.57	ND		5	0.57	ND		5	0.57
2-Methylphenol	NS	NS	ND		6.3	0.61	ND		5	0.49	ND		5	0.49	ND		5	0.49	ND		5	0.49	ND		5	0.49	ND		5	0.49
3-Methylphenol/4-Methylphe	NS	NS	ND		6.3	0.6	ND		5	0.48	ND		5	0.48	ND		5	0.48	ND		5	0.48	ND		5	0.48	ND		5	0.48
2,4,5-Trichlorophenol	NS	NS	ND		6.3	0.97	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77	ND		5	0.77
Benzoic Acid	NS	NS	ND		63	3.3	9.3	J	50	2.6	ND		50	2.6	ND		50	2.6	ND		50	2.6	9.2	J	50	2.6	ND		50	2.6
Benzyl Alcohol	NS	NS	ND		2.5	0.74	ND		2	0.59	ND		2	0.59	ND		2	0.59	ND		2	0.59	ND		2	0.59	ND		2	0.59
Carbazole	NS	NS	ND		2.5	0.61	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49	ND		2	0.49
Acenaphthene	20	20	ND		0.12	0.02	ND		0.1	0.01	ND		0.1	0.01	0.03	J	0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
2-Chloronaphthalene	10	10	ND		0.25	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02	ND		0.2	0.02
Fluoranthene	50	50	0.09	J	0.12	0.03	ND		0.1	0.02	0.05	J	0.1	0.02	0.03	J	0.1	0.02	0.07	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Hexachlorobutadiene	0.5	0.5	ND		0.62	0.06	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05	ND		0.5	0.05
Naphthalene	10	10	ND		0.12	0.06	ND		0.1	0.05	0.05	J	0.1	0.05	ND		0.1	0.05	0.05	J	0.1	0.05	ND		0.1	0.05	ND		0.1	0.05
Benzo(a)anthracene	0.002	0.002	ND		0.12	0.03	ND		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Benzo(a)pyrene	0	0	0.03	J	0.12	0.02	ND		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	0.03	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Benzo(b)fluoranthene	0.002	0.002	0.04	J	0.12	0.01	ND		0.1	0.01	0.04	J	0.1	0.01	ND		0.1	0.01	0.06	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Benzo(k)fluoranthene	0.002	0.002	0.02	J	0.12	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01

Table 3: Summary of Groundwater Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	AWQS	TOGS-GA	TW-5				TW-7				TW-8				TW-10				TW-11				TW-12				TW-14			
LAB ID:			L1836518-05				L1835942-02				L1836162-03				L1835720-02				L1835720-03				L1835942-05				L1836518-04			
COLLECTION DATE:			9/13/2018				9/11/2018				9/12/2018				9/10/2018				9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Chrysene	0.002	0.002	ND		0.12	0.02	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	0.04	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Acenaphthylene	NS	NS	ND		0.12	0.02	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Anthracene	50	50	ND		0.12	0.02	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Benzo(ghi)perylene	NS	NS	ND		0.12	0.02	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Fluorene	50	50	ND		0.12	0.02	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Phenanthrene	50	50	0.1	J	0.12	0.03	ND		0.1	0.02	0.04	J	0.1	0.02	0.04	J	0.1	0.02	0.07	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Dibenzo(a,h)anthracene	NS	NS	ND		0.12	0.02	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Indeno(1,2,3-cd)pyrene	0.002	0.002	ND		0.12	0.02	ND		0.1	0.01	0.02	J	0.1	0.01	ND		0.1	0.01	0.03	J	0.1	0.01	ND		0.1	0.01	ND		0.1	0.01
Pyrene	50	50	0.07	J	0.12	0.02	ND		0.1	0.02	0.04	J	0.1	0.02	0.03	J	0.1	0.02	0.06	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
2-Methylnaphthalene	NS	NS	ND		0.12	0.03	ND		0.1	0.02	ND		0.1	0.02	0.02	J	0.1	0.02	0.04	J	0.1	0.02	ND		0.1	0.02	ND		0.1	0.02
Pentachlorophenol	1	2	ND		1	0.02	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01
Hexachlorobenzene	0.04	0.04	ND		1	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01	ND		0.8	0.01
Hexachloroethane	5	5	ND		1	0.08	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06	ND		0.8	0.06
Total SVOCs	NS	NS	0.35	-	-	-	-	-	-	-	0.36	-	-	-	0.15	-	-	-	0.56	-	-	-	-	-	-	-	-	-	-	-
DISSOLVED METALS (ug/l)																														
Aluminum, Dissolved	NS	2000	-		-	-	18.1		10	3.27	140		10	3.27	324		10	3.27	1310		10	3.27	-		-	-	-		-	-
Antimony, Dissolved	3	6	-		-	-	1.64	J	4	0.42	1.51	J	4	0.42	4.44		4	0.42	2.08	J	4	0.42	-		-	-	-		-	-
Arsenic, Dissolved	25	50	-		-	-	0.27	J	0.5	0.16	0.49	J	0.5	0.16	1.83		0.5	0.16	1.55		0.5	0.16	-		-	-	-		-	-
Barium, Dissolved	1000	2000	-		-	-	83.27		0.5	0.17	7.07		0.5	0.17	10.42		0.5	0.17	23.02		0.5	0.17	-		-	-	-		-	-
Beryllium, Dissolved	3	3	-		-	-	ND		0.5	0.1	ND		0.5	0.1	ND		0.5	0.1	0.1	J	0.5	0.1	-		-	-	-		-	-
Cadmium, Dissolved	5	10	-		-	-	ND		0.2	0.05	ND		0.2	0.05	0.07	J	0.2	0.05	ND		0.2	0.05	-		-	-	-		-	-
Calcium, Dissolved	NS	NS	-		-	-	22900		100	39.4	22400		100	39.4	11600		100	39.4	11500		100	39.4	-		-	-	-		-	-
Chromium, Dissolved	50	100	-		-	-	0.38	J	1	0.17	1.07		1	0.17	3.91		1	0.17	21.8		1	0.17	-		-	-	-		-	-
Cobalt, Dissolved	NS	NS	-		-	-	11.1		0.5	0.16	2.13		0.5	0.16	2.78		0.5	0.16	5.24		0.5	0.16	-		-	-	-		-	-
Copper, Dissolved	200	1000	-		-	-	4.06		1	0.38	2.32		1	0.38	13.8		1	0.38	7.85		1	0.38	-		-	-	-		-	-
Iron, Dissolved	300	600	-		-	-	527		50	19.1	300		50	19.1	956		50	19.1	4350		50	19.1	-		-	-	-		-	-
Lead, Dissolved	25	50	-		-	-	ND		1	0.34	ND		1	0.34	1.39		1	0.34	2.24		1	0.34	-		-	-	-		-	-
Magnesium, Dissolved	35000	35000	-		-	-	4520		70	24.2	5540		70	24.2	5600		70	24.2	1500		70	24.2	-		-	-	-		-	-
Manganese, Dissolved	300	600	-		-	-	1233		1	0.44	860.2		1	0.44	226.8		1	0.44	1040		1	0.44	-		-	-	-		-	-
Mercury, Dissolved	0.7	1.4	-		-	-	ND		0.2	0.06	ND		0.2	0.06	ND		0.2	0.06	ND		0.2	0.06	-		-	-	-		-	-
Nickel, Dissolved	100	200	-		-	-	26.03		2	0.55	6.61		2	0.55	10.4		2	0.55	12.16		2	0.55	-		-	-	-		-	-
Potassium, Dissolved	NS	NS	-		-	-	5080		100	30.9	10600		100	30.9	11800		100	30.9	4430		100	30.9	-		-	-	-		-	-
Selenium, Dissolved	10	20	-		-	-	ND		5	1.73	ND		5	1.73	ND		5	1.73	ND		5	1.73	-		-	-	-		-	-
Silver, Dissolved	50	100	-		-	-	ND		0.4	0.16	ND		0.4	0.16	0.7		0.4	0.16	0.27	J	0.4	0.16	-		-	-	-		-	-
Sodium, Dissolved	20000	NS	-		-	-	47000		100	29.3	29400		100	29.3	44300		100	29.3	28900		100	29.3	-		-	-	-		-	-
Thallium, Dissolved	0.5	0.5	-		-	-	ND		0.5	0.14	ND		0.5	0.14	0.16	J	0.5	0.14	ND		0.5	0.14	-		-	-	-		-	-
Vanadium, Dissolved	NS	NS	-		-	-	ND		5	1.57	ND		5	1.57	1.58	J	5	1.57	2.44	J	5	1.57	-		-	-	-		-	-
Zinc, Dissolved	2000	5000	-		-	-	9.16	J	10	3.41	ND		10	3.41	6.95	J	10	3.41	8.01	J	10	3.41	-		-	-	-		-	-
TOTAL METALS (ug/l)																														
Aluminum, Total	NS	2000	-		-	-	52600		10	3.27	85900		10	3.27	50600		10	3.27	18500		10	3.27	-		-	-	-		-	-
Antimony, Total	3	6	-		-	-	1.86	J	4	0.42	1.16	J	4	0.42	1.94	J	4	0.42	1.66	J	4	0.42	-		-	-	-		-	-
Arsenic, Total	25	50	-		-	-	23.59		0.5	0.16	27.75		0.5	0.16	24.43		0.5	0.16	14.7		0.5	0.16	-		-	-	-		-	-
Barium, Total	1000	2000	-		-	-	3119		0.5	0.17	2126		0.5	0.17	1242		0.5	0.17	276.5		0.5	0.17	-		-	-	-		-	-
Beryllium, Total	3	3	-		-	-	8.91		0.5	0.1	13.4		0.5	0.1	8.35		0.5	0.1	1.78		0.5	0.1	-		-	-	-		-	-
Cadmium, Total	5	10	-		-	-	1.6		0.2	0.05	1.64		0.2	0.05	5.32		0.2	0.05	0.41		0.2	0.05	-		-	-	-		-	-

Table 3: Summary of Groundwater Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	AWQS	TOGS-GA	TW-5				TW-7				TW-8				TW-10				TW-11				TW-12				TW-14			
LAB ID:			L1836518-05				L1835942-02				L1836162-03				L1835720-02				L1835720-03				L1835942-05				L1836518-04			
COLLECTION DATE:			9/13/2018				9/11/2018				9/12/2018				9/10/2018				9/10/2018				9/11/2018				9/13/2018			
SAMPLE MATRIX:			WATER				WATER				WATER				WATER				WATER				WATER				WATER			
			Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Calcium, Total	NS	NS	-		-	-	47000		100	39.4	57200		100	39.4	21400		100	39.4	14000		100	39.4	-		-	-	-		-	-
Chromium, Total	50	100	-		-	-	1933		1	0.17	851.1		1	0.17	474		1	0.17	356.3		1	0.17	-		-	-	-		-	-
Cobalt, Total	NS	NS	-		-	-	73.6		0.5	0.16	80.44		0.5	0.16	29.52		0.5	0.16	23.4		0.5	0.16	-		-	-	-		-	-
Copper, Total	200	1000	-		-	-	1102		1	0.38	431.6		1	0.38	319.1		1	0.38	107.8		1	0.38	-		-	-	-		-	-
Iron, Total	300	600	-		-	-	263000		50	19.1	196000		50	19.1	90100		50	19.1	68800		50	19.1	-		-	-	-		-	-
Lead, Total	25	50	-		-	-	131.1		1	0.34	163.7		1	0.34	158.6		1	0.34	45.55		1	0.34	-		-	-	-		-	-
Magnesium, Total	35000	35000	-		-	-	13700		70	24.2	21700		70	24.2	12300		70	24.2	4830		70	24.2	-		-	-	-		-	-
Manganese, Total	300	600	-		-	-	5390		1	0.44	7482		1	0.44	1202		1	0.44	1829		1	0.44	-		-	-	-		-	-
Mercury, Total	0.7	1.4	-		-	-	ND		0.2	0.06	ND		0.2	0.06	0.07	J	0.2	0.06	ND		0.2	0.06	-		-	-	-		-	-
Nickel, Total	100	200	-		-	-	298.6		2	0.55	216.6		2	0.55	90.35		2	0.55	70.83		2	0.55	-		-	-	-		-	-
Potassium, Total	NS	NS	-		-	-	13800		100	30.9	29000		100	30.9	18000		100	30.9	6390		100	30.9	-		-	-	-		-	-
Selenium, Total	10	20	-		-	-	29.8		5	1.73	38.1		5	1.73	17		5	1.73	6.26		5	1.73	-		-	-	-		-	-
Silver, Total	50	100	-		-	-	13.77		0.4	0.16	27.08		0.4	0.16	59.28		0.4	0.16	3.71		0.4	0.16	-		-	-	-		-	-
Sodium, Total	20000	NS	-		-	-	43200		100	29.3	30600		100	29.3	38900		100	29.3	27100		100	29.3	-		-	-	-		-	-
Thallium, Total	0.5	0.5	-		-	-	1.11		0.5	0.14	1.69		0.5	0.14	0.69		0.5	0.14	0.29	J	0.5	0.14	-		-	-	-		-	-
Vanadium, Total	NS	NS	-		-	-	106.3		5	1.57	102.8		5	1.57	69.2		5	1.57	42.35		5	1.57	-		-	-	-		-	-
Zinc, Total	2000	5000	-		-	-	748.2		10	3.41	1370		10	3.41	637.2		10	3.41	100.4		10	3.41	-		-	-	-		-	-

* Comparison is not performed on parameters with non-numeric criteria.
NY-AWQS: New York TOGS 111 Ambient Water Quality Standards
NY-TOGS-GA: New York TOGS 111 Groundwater Effluent Limitations criteria
ug/l: micrograms per liter
Conc: Concentration
Q: Laboratory Qualifier
RL: Reporting Limit
MDL: Method Detection Limit
Highlighted and bolded concentrations exceed one or more of applicable standards
NS: No Standard
ND: Non-Detect
J: Laboratory reported at an estimated concentration

Table 4: Summary of Dry Well Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	DW-1				DW-2			
						L1836518-06				L1836518-07			
						9/13/2018				9/13/2018			
						SEDIMENT				SEDIMENT			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS (mg/kg)													
Methylene chloride	500	1000	51	100	0.05	ND		0.0047	0.0021	ND		0.0047	0.0022
1,1-Dichloroethane	240	480	19	26	0.27	ND		0.00094	0.00014	ND		0.00095	0.00014
Chloroform	350	700	10	49	0.37	ND		0.0014	0.00013	ND		0.0014	0.00013
Carbon tetrachloride	22	44	1.4	2.4	0.76	ND		0.00094	0.00022	ND		0.00095	0.00022
1,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.00094	0.00012	ND		0.00095	0.00012
Dibromochloromethane	NS	NS	NS	NS	NS	ND		0.00094	0.00013	ND		0.00095	0.00013
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	ND		0.00094	0.00025	ND		0.00095	0.00025
Tetrachloroethene	150	300	5.5	19	1.3	ND		0.00047	0.00018	ND		0.00047	0.00018
Chlorobenzene	500	1000	100	100	1.1	ND		0.00047	0.00012	ND		0.00047	0.00012
Trichlorofluoromethane	NS	NS	NS	NS	NS	ND		0.0037	0.00065	ND		0.0038	0.00066
1,2-Dichloroethane	30	60	2.3	3.1	0.02	ND		0.00094	0.00024	ND		0.00095	0.00024
1,1,1-Trichloroethane	500	1000	100	100	0.68	ND		0.00047	0.00016	ND		0.00047	0.00016
Bromodichloromethane	NS	NS	NS	NS	NS	ND		0.00047	0.0001	ND		0.00047	0.0001
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00094	0.00026	ND		0.00095	0.00026
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00047	0.00015	ND		0.00047	0.00015
1,3-Dichloropropene, Total	NS	NS	NS	NS	NS	ND		0.00047	0.00015	ND		0.00047	0.00015
1,1-Dichloropropene	NS	NS	NS	NS	NS	ND		0.00047	0.00015	ND		0.00047	0.00015
Bromoform	NS	NS	NS	NS	NS	ND		0.0037	0.00023	ND		0.0038	0.00023
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.00047	0.00016	ND		0.00047	0.00016
Benzene	44	89	2.9	4.8	0.06	ND		0.00047	0.00016	ND		0.00047	0.00016
Toluene	500	1000	100	100	0.7	ND		0.00094	0.00051	ND		0.00095	0.00052
Ethylbenzene	390	780	30	41	1	ND		0.00094	0.00013	ND		0.00095	0.00013
Chloromethane	NS	NS	NS	NS	NS	ND		0.0037	0.00087	ND		0.0038	0.00088
Bromomethane	NS	NS	NS	NS	NS	ND		0.0019	0.00054	ND		0.0019	0.00055
Vinyl chloride	13	27	0.21	0.9	0.02	ND		0.00094	0.00031	ND		0.00095	0.00032
Chloroethane	NS	NS	NS	NS	NS	ND		0.0019	0.00042	ND		0.0019	0.00043
1,1-Dichloroethene	500	1000	100	100	0.33	ND		0.00094	0.00022	ND		0.00095	0.00022
trans-1,2-Dichloroethene	500	1000	100	100	0.19	ND		0.0014	0.00013	ND		0.0014	0.00013
Trichloroethene	200	400	10	21	0.47	ND		0.00047	0.00013	ND		0.00047	0.00013
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.0019	0.00013	ND		0.0019	0.00014
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.0019	0.00014	ND		0.0019	0.00014
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.0019	0.00016	ND		0.0019	0.00016
Methyl tert butyl ether	500	1000	62	100	0.93	ND		0.0019	0.00019	ND		0.0019	0.00019
p/m-Xylene	NS	NS	NS	NS	NS	ND		0.0019	0.00052	ND		0.0019	0.00053
o-Xylene	NS	NS	NS	NS	NS	ND		0.00094	0.00027	ND		0.00095	0.00028
Xylenes, Total	500	1000	100	100	0.26	ND		0.00094	0.00027	ND		0.00095	0.00028
cis-1,2-Dichloroethene	500	1000	59	100	0.25	ND		0.00094	0.00016	ND		0.00095	0.00017
1,2-Dichloroethene, Total	NS	NS	NS	NS	NS	ND		0.00094	0.00013	ND		0.00095	0.00013
Dibromomethane	NS	NS	NS	NS	NS	ND		0.0019	0.00022	ND		0.0019	0.00022
Styrene	NS	NS	NS	NS	NS	ND		0.00094	0.00018	ND		0.00095	0.00018
Dichlorodifluoromethane	NS	NS	NS	NS	NS	ND		0.0094	0.00086	ND		0.0095	0.00087
Acetone	500	1000	100	100	0.05	ND		0.0094	0.0045	ND		0.0095	0.0046
Carbon disulfide	NS	NS	NS	NS	NS	ND		0.0094	0.0043	ND		0.0095	0.0043
2-Butanone	500	1000	100	100	0.12	ND		0.0094	0.0021	ND		0.0095	0.0021
Vinyl acetate	NS	NS	NS	NS	NS	ND		0.0094	0.002	ND		0.0095	0.002
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	ND		0.0094	0.0012	ND		0.0095	0.0012
1,2,3-Trichloropropane	NS	NS	NS	NS	NS	ND		0.0019	0.00012	ND		0.0019	0.00012
2-Hexanone	NS	NS	NS	NS	NS	ND		0.0094	0.0011	ND		0.0095	0.0011
Bromochloromethane	NS	NS	NS	NS	NS	ND		0.0019	0.00019	ND		0.0019	0.00019
2,2-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0019	0.00019	ND		0.0019	0.00019
1,2-Dibromoethane	NS	NS	NS	NS	NS	ND		0.00094	0.00026	ND		0.00095	0.00026
1,3-Dichloropropane	NS	NS	NS	NS	NS	ND		0.0019	0.00016	ND		0.0019	0.00016
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	ND		0.00047	0.00012	ND		0.00047	0.00012
Bromobenzene	NS	NS	NS	NS	NS	ND		0.0019	0.00014	ND		0.0019	0.00014
n-Butylbenzene	500	1000	100	100	12	ND		0.00094	0.00016	ND		0.00095	0.00016
sec-Butylbenzene	500	1000	100	100	11	ND		0.00094	0.00014	ND		0.00095	0.00014
tert-Butylbenzene	500	1000	100	100	5.9	ND		0.0019	0.00011	ND		0.0019	0.00011
o-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0019	0.00018	ND		0.0019	0.00018
p-Chlorotoluene	NS	NS	NS	NS	NS	ND		0.0019	0.0001	ND		0.0019	0.0001
1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	NS	ND		0.0028	0.00094	ND		0.0028	0.00095
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.0037	0.00016	ND		0.0038	0.00016
Isopropylbenzene	NS	NS	NS	NS	NS	ND		0.00094	0.0001	ND		0.00095	0.0001
p-Isopropyltoluene	NS	NS	NS	NS	NS	ND		0.00094	0.0001	ND		0.00095	0.0001
Naphthalene	500	1000	100	100	12	ND		0.0037	0.00061	ND		0.0038	0.00062
Acrylonitrile	NS	NS	NS	NS	NS	ND		0.0037	0.0011	ND		0.0038	0.0011
n-Propylbenzene	500	1000	100	100	3.9	ND		0.00094	0.00016	ND		0.00095	0.00016
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0019	0.0003	ND		0.0019	0.0003
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.0019	0.00025	ND		0.0019	0.00026
1,3,5-Trimethylbenzene	190	380	47	52	8.4	ND		0.0019	0.00018	ND		0.0019	0.00018
1,2,4-Trimethylbenzene	190	380	47	52	3.6	ND		0.0019	0.00031	ND		0.0019	0.00032
1,4-Dioxane	130	250	9.8	13	0.1	ND		0.094	0.033	ND		0.095	0.033
p-Diethylbenzene	NS	NS	NS	NS	NS	ND		0.0019	0.00016	ND		0.0019	0.00017
p-Ethyltoluene	NS	NS	NS	NS	NS	ND		0.0019	0.00036	ND		0.0019	0.00036

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Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID: LAB ID: COLLECTION DATE: SAMPLE MATRIX:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	DW-1				DW-2			
						L1836518-06				L1836518-07			
						9/13/2018				9/13/2018			
						SEDIMENT				SEDIMENT			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
1,2,4,5-Tetramethylbenzene	NS	NS	NS	NS	NS	ND		0.0019	0.00018	ND		0.0019	0.00018
Ethyl ether	NS	NS	NS	NS	NS	ND		0.0019	0.00032	ND		0.0019	0.00032
trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	NS	ND		0.0047	0.0013	ND		0.0047	0.0013
Total VOCs	NS	NS	NS	NS	NS	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)													
Acenaphthene	500	1000	100	100	20	ND		0.14	0.018	0.069	J	0.14	0.018
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	ND		0.18	0.02	ND		0.17	0.02
Hexachlorobenzene	6	12	0.33	1.2	0.33	ND		0.1	0.02	ND		0.1	0.019
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	ND		0.16	0.024	ND		0.16	0.024
2-Chloronaphthalene	NS	NS	NS	NS	NS	ND		0.18	0.017	ND		0.17	0.017
1,2-Dichlorobenzene	500	1000	100	100	1.1	ND		0.18	0.032	ND		0.17	0.031
1,3-Dichlorobenzene	280	560	17	49	2.4	ND		0.18	0.03	ND		0.17	0.03
1,4-Dichlorobenzene	130	250	9.8	13	1.8	ND		0.18	0.031	ND		0.17	0.03
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	ND		0.18	0.047	ND		0.17	0.046
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.18	0.035	ND		0.17	0.035
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	ND		0.18	0.03	ND		0.17	0.03
Fluoranthene	500	1000	100	100	100	ND		0.1	0.02	5.1		0.1	0.02
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.18	0.019	ND		0.17	0.018
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	ND		0.18	0.027	ND		0.17	0.026
Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	NS	ND		0.21	0.03	ND		0.21	0.03
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	ND		0.19	0.018	ND		0.19	0.017
Hexachlorobutadiene	NS	NS	NS	NS	NS	ND		0.18	0.026	ND		0.17	0.025
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	ND		0.5	0.16	ND		0.5	0.16
Hexachloroethane	NS	NS	NS	NS	NS	ND		0.14	0.028	ND		0.14	0.028
Isophorone	NS	NS	NS	NS	NS	ND		0.16	0.023	ND		0.16	0.022
Naphthalene	500	1000	100	100	12	ND		0.18	0.021	ND		0.17	0.021
Nitrobenzene	NS	NS	NS	NS	NS	ND		0.16	0.026	ND		0.16	0.026
NDPA/DPA	NS	NS	NS	NS	NS	ND		0.14	0.02	ND		0.14	0.02
n-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	ND		0.18	0.027	ND		0.17	0.027
Bis(2-ethylhexyl)phthalate	NS	NS	NS	NS	NS	ND		0.18	0.061	0.34		0.17	0.06
Butyl benzyl phthalate	NS	NS	NS	NS	NS	ND		0.18	0.044	ND		0.17	0.044
Di-n-butylphthalate	NS	NS	NS	NS	NS	ND		0.18	0.033	ND		0.17	0.033
Di-n-octylphthalate	NS	NS	NS	NS	NS	ND		0.18	0.06	ND		0.17	0.059
Diethyl phthalate	NS	NS	NS	NS	NS	ND		0.18	0.016	ND		0.17	0.016
Dimethyl phthalate	NS	NS	NS	NS	NS	ND		0.18	0.037	ND		0.17	0.036
Benzo(a)anthracene	5.6	11	1	1	1	ND		0.1	0.02	3.1		0.1	0.02
Benzo(a)pyrene	1	1.1	1	1	1	ND		0.14	0.043	3.7		0.14	0.042
Benzo(b)fluoranthene	5.6	11	1	1	1	ND		0.1	0.03	5.2		0.1	0.029
Benzo(k)fluoranthene	56	110	1	3.9	0.8	ND		0.1	0.028	1.8		0.1	0.028
Chrysene	56	110	1	3.9	1	ND		0.1	0.018	3.7		0.1	0.018
Acenaphthylene	500	1000	100	100	100	ND		0.14	0.027	0.027	J	0.14	0.027
Anthracene	500	1000	100	100	100	ND		0.1	0.034	0.32		0.1	0.034
Benzo(ghi)perylene	500	1000	100	100	100	ND		0.14	0.021	2.7		0.14	0.02
Fluorene	500	1000	100	100	30	ND		0.18	0.017	0.078	J	0.17	0.017
Phenanthrene	500	1000	100	100	100	ND		0.1	0.021	1.7		0.1	0.021
Dibenzo(a,h)anthracene	0.56	1.1	0.33	0.33	0.33	ND		0.1	0.02	0.62		0.1	0.02
Indeno(1,2,3-cd)pyrene	5.6	11	0.5	0.5	0.5	ND		0.14	0.024	3		0.14	0.024
Pyrene	500	1000	100	100	100	ND		0.1	0.017	4.4		0.1	0.017
Biphenyl	NS	NS	NS	NS	NS	ND		0.4	0.041	ND		0.4	0.04
4-Chloroaniline	NS	NS	NS	NS	NS	ND		0.18	0.032	ND		0.17	0.032
2-Nitroaniline	NS	NS	NS	NS	NS	ND		0.18	0.034	ND		0.17	0.033
3-Nitroaniline	NS	NS	NS	NS	NS	ND		0.18	0.033	ND		0.17	0.033
4-Nitroaniline	NS	NS	NS	NS	NS	ND		0.18	0.073	ND		0.17	0.072
Dibenzofuran	350	1000	14	59	7	ND		0.18	0.017	0.028	J	0.17	0.016
2-Methylnaphthalene	NS	NS	NS	NS	NS	ND		0.21	0.021	ND		0.21	0.021
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	ND		0.18	0.018	ND		0.17	0.018
Acetophenone	NS	NS	NS	NS	NS	ND		0.18	0.022	ND		0.17	0.021
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.1	0.033	ND		0.1	0.033
p-Chloro-m-cresol	NS	NS	NS	NS	NS	ND		0.18	0.026	ND		0.17	0.026
2-Chlorophenol	NS	NS	NS	NS	NS	ND		0.18	0.021	ND		0.17	0.02
2,4-Dichlorophenol	NS	NS	NS	NS	NS	ND		0.16	0.028	ND		0.16	0.028
2,4-Dimethylphenol	NS	NS	NS	NS	NS	ND		0.18	0.058	ND		0.17	0.057
2-Nitrophenol	NS	NS	NS	NS	NS	ND		0.38	0.066	ND		0.37	0.065
4-Nitrophenol	NS	NS	NS	NS	NS	ND		0.25	0.072	ND		0.24	0.071
2,4-Dinitrophenol	NS	NS	NS	NS	NS	ND		0.84	0.082	ND		0.83	0.081
4,6-Dinitro-o-cresol	NS	NS	NS	NS	NS	ND		0.46	0.084	ND		0.45	0.083
Pentachlorophenol	6.7	55	2.4	6.7	0.8	ND		0.14	0.039	ND		0.14	0.038
Phenol	500	1000	100	100	0.33	ND		0.18	0.026	ND		0.17	0.026
2-Methylphenol	500	1000	100	100	0.33	ND		0.18	0.027	ND		0.17	0.027
3-Methylphenol/4-Methylphenol	500	1000	34	100	0.33	ND		0.25	0.028	ND		0.25	0.027
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	ND		0.18	0.034	ND		0.17	0.033
Benzoic Acid	NS	NS	NS	NS	NS	ND		0.57	0.18	ND		0.56	0.18
Benzyl Alcohol	NS	NS	NS	NS	NS	ND		0.18	0.054	ND		0.17	0.053
Carbazole	NS	NS	NS	NS	NS	ND		0.18	0.017	0.26		0.17	0.017

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SAMPLE ID:	RUSCO-C	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	DW-1				DW-2			
LAB ID:						L1836518-06				L1836518-07			
COLLECTION DATE:						9/13/2018				9/13/2018			
SAMPLE MATRIX:						SEDIMENT				SEDIMENT			
						Conc	Q	RL	MDL	Conc	Q	RL	MDL
Total SVOCs	NS	NS	NS	NS	NS	-	-	-	-	36.142	-	-	-
TOTAL METALS (mg/kg)													
Aluminum, Total	NS	NS	NS	NS	NS	762		8.48	2.29	-		-	-
Antimony, Total	NS	NS	NS	NS	NS	ND		4.24	0.322	-		-	-
Arsenic, Total	16	16	16	16	13	0.865		0.848	0.176	-		-	-
Barium, Total	400	10000	350	400	350	9.26		0.848	0.148	-		-	-
Beryllium, Total	590	2700	14	72	7.2	ND		0.424	0.028	-		-	-
Cadmium, Total	9.3	60	2.5	4.3	2.5	0.144	J	0.848	0.083	-		-	-
Calcium, Total	NS	NS	NS	NS	NS	355		8.48	2.97	-		-	-
Chromium, Total	NS	NS	NS	NS	NS	6.79		0.848	0.081	-		-	-
Cobalt, Total	NS	NS	NS	NS	NS	0.78	J	1.7	0.141	-		-	-
Copper, Total	270	10000	270	270	50	41.6		0.848	0.219	-		-	-
Iron, Total	NS	NS	NS	NS	NS	3060		4.24	0.766	-		-	-
Lead, Total	1000	3900	400	400	63	8.04		4.24	0.227	-		-	-
Magnesium, Total	NS	NS	NS	NS	NS	249		8.48	1.31	-		-	-
Manganese, Total	10000	10000	2000	2000	1600	16		0.848	0.135	-		-	-
Mercury, Total	2.8	5.7	0.81	0.81	0.18	0.017	J	0.069	0.015	-		-	-
Nickel, Total	310	10000	140	310	30	1.48	J	2.12	0.205	-		-	-
Potassium, Total	NS	NS	NS	NS	NS	100	J	212	12.2	-		-	-
Selenium, Total	1500	6800	36	180	3.9	ND		1.7	0.219	-		-	-
Silver, Total	1500	6800	36	180	2	98.8		0.848	0.24	-		-	-
Sodium, Total	NS	NS	NS	NS	NS	15.2	J	170	2.67	-		-	-
Thallium, Total	NS	NS	NS	NS	NS	ND		1.7	0.267	-		-	-
Vanadium, Total	NS	NS	NS	NS	NS	2.58		0.848	0.172	-		-	-
Zinc, Total	10000	10000	2200	10000	109	47.4		4.24	0.248	-		-	-
GENERAL CHEMISTRY													
Solids, Total	NS	NS	NS	NS	NS	91.8		0.1	NA	95.8		0.1	NA

* Comparison is not performed on parameters with non-numeric criteria.

RUSCO-C: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

RUSCO-I: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

RSUCO-R: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

RUSCO-RR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

UUSCO: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

mg/kg: milligrams per kilogram

Conc: Concentration

Q: Laboratory Qualifier

RL: Reporting Limit

MDL: Method Detection Limit

Highlighted and bolded concentrations exceed one or more of applicable standards

NS: No Standard

ND: Non-Detect

J: Laboratory reported at an estimated concentration

Table 5: Summary of Concrete Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-GW	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	CC-1				CC-2				CC-3				CC-4				CC-5			
LAB ID:							L1836519-01				L1836519-02				L1836519-03				L1836519-04				L1836519-05			
COLLECTION DATE:							9/13/2018				9/13/2018				9/13/2018				9/13/2018				9/13/2018			
SAMPLE MATRIX:							SOLID				SOLID				SOLID				SOLID				SOLID			
							Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
VOLATILE ORGANIC COMPOUNDS (mg/kg)																										
Methylene chloride	500	0.05	1000	51	100	0.05	ND		0.005	0.0023	ND		1	0.48	ND		0.0051	0.0023	ND		0.26	0.12	ND		0.25	0.12
1,1-Dichloroethane	240	0.27	480	19	26	0.27	ND		0.001	0.0001	ND		0.21	0.03	ND		0.001	0.0002	ND		0.053	0.0077	ND		0.05	0.0073
Chloroform	350	0.37	700	10	49	0.37	ND		0.0015	0.0001	ND		0.31	0.029	ND		0.0015	0.0001	ND		0.079	0.0074	ND		0.076	0.0071
Carbon tetrachloride	22	0.76	44	1.4	2.4	0.76	ND		0.001	0.0002	ND		0.21	0.048	ND		0.001	0.0002	ND		0.053	0.012	ND		0.05	0.012
1,2-Dichloropropane	NS	NS	NS	NS	NS	NS	ND		0.001	0.0001	ND		0.21	0.026	ND		0.001	0.0001	ND		0.053	0.0066	ND		0.05	0.0063
Dibromochloromethane	NS	NS	NS	NS	NS	NS	ND		0.001	0.0001	ND		0.21	0.029	ND		0.001	0.0001	ND		0.053	0.0074	ND		0.05	0.0071
1,1,2-Trichloroethane	NS	NS	NS	NS	NS	NS	ND		0.001	0.0003	ND		0.21	0.056	ND		0.001	0.0003	ND		0.053	0.014	ND		0.05	0.013
Tetrachloroethene	150	1.3	300	5.5	19	1.3	ND		0.0005	0.0002	ND		0.1	0.041	ND		0.0005	0.0002	ND		0.026	0.01	ND		0.025	0.0099
Chlorobenzene	500	1.1	1000	100	100	1.1	ND		0.0005	0.0001	ND		0.1	0.026	ND		0.0005	0.0001	ND		0.026	0.0067	ND		0.025	0.0064
Trichlorofluoromethane	NS	NS	NS	NS	NS	NS	ND		0.004	0.0007	ND		0.83	0.14	ND		0.0041	0.0007	ND		0.21	0.037	ND		0.2	0.035
1,2-Dichloroethane	30	0.02	60	2.3	3.1	0.02	ND		0.001	0.0003	ND		0.21	0.054	ND		0.001	0.0003	ND		0.053	0.014	ND		0.05	0.013
1,1,1-Trichloroethane	500	0.68	1000	100	100	0.68	ND		0.0005	0.0002	ND		0.1	0.035	ND		0.0005	0.0002	ND		0.026	0.0088	ND		0.025	0.0084
Bromodichloromethane	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0001	ND		0.1	0.023	ND		0.0005	0.0001	ND		0.026	0.0058	ND		0.025	0.0055
trans-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ND		0.001	0.0003	ND		0.21	0.057	ND		0.001	0.0003	ND		0.053	0.014	ND		0.05	0.014
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0002	ND		0.1	0.033	ND		0.0005	0.0002	ND		0.026	0.0084	ND		0.025	0.008
1,3-Dichloropropene, Total	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0002	ND		0.1	0.033	ND		0.0005	0.0002	ND		0.026	0.0084	ND		0.025	0.008
1,1-Dichloropropene	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0002	ND		0.1	0.033	ND		0.0005	0.0002	ND		0.026	0.0084	ND		0.025	0.008
Bromoform	NS	NS	NS	NS	NS	NS	ND		0.004	0.0002	ND		0.83	0.051	ND		0.0041	0.0003	ND		0.21	0.013	ND		0.2	0.012
1,1,2,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0002	ND		0.1	0.035	ND		0.0005	0.0002	ND		0.026	0.0088	ND		0.025	0.0084
Benzene	44	0.06	89	2.9	4.8	0.06	ND		0.0005	0.0002	ND		0.1	0.035	ND		0.0005	0.0002	ND		0.026	0.0088	ND		0.025	0.0084
Toluene	500	0.7	1000	100	100	0.7	ND		0.001	0.0005	0.14	J	0.21	0.11	ND		0.001	0.0006	0.04	J	0.053	0.029	ND		0.05	0.027
Ethylbenzene	390	1	780	30	41	1	0.0003	J	0.001	0.0001	0.038	J	0.21	0.029	ND		0.001	0.0001	0.13		0.053	0.0075	ND		0.05	0.0071
Chloromethane	NS	NS	NS	NS	NS	NS	ND		0.004	0.0009	ND		0.83	0.19	ND		0.0041	0.001	ND		0.21	0.049	ND		0.2	0.047
Bromomethane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0006	ND		0.42	0.12	ND		0.002	0.0006	0.05	J	0.1	0.031	0.038	J	0.1	0.029
Vinyl chloride	13	0.02	27	0.21	0.9	0.02	ND		0.001	0.0003	ND		0.21	0.07	ND		0.001	0.0003	ND		0.053	0.018	ND		0.05	0.017
Chloroethane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0005	ND		0.42	0.094	ND		0.002	0.0005	ND		0.1	0.024	ND		0.1	0.023
1,1-Dichloroethene	500	0.33	1000	100	100	0.33	ND		0.001	0.0002	ND		0.21	0.05	ND		0.001	0.0002	ND		0.053	0.012	ND		0.05	0.012
trans-1,2-Dichloroethene	500	0.19	1000	100	100	0.19	ND		0.0015	0.0001	ND		0.31	0.028	ND		0.0015	0.0001	ND		0.079	0.0072	ND		0.076	0.0069
Trichloroethene	200	0.47	400	10	21	0.47	ND		0.0005	0.0001	ND		0.1	0.028	ND		0.0005	0.0001	ND		0.026	0.0072	ND		0.025	0.0069
1,2-Dichlorobenzene	500	1.1	1000	100	100	1.1	ND		0.002	0.0001	ND		0.42	0.03	ND		0.002	0.0002	ND		0.1	0.0076	ND		0.1	0.0073
1,3-Dichlorobenzene	280	2.4	560	17	49	2.4	ND		0.002	0.0002	ND		0.42	0.031	ND		0.002	0.0002	ND		0.1	0.0078	ND		0.1	0.0075
1,4-Dichlorobenzene	130	1.8	250	9.8	13	1.8	ND		0.002	0.0002	ND		0.42	0.036	ND		0.002	0.0002	ND		0.1	0.009	ND		0.1	0.0086
Methyl tert butyl ether	500	0.93	1000	62	100	0.93	ND		0.002	0.0002	ND		0.42	0.042	ND		0.002	0.0002	ND		0.1	0.011	ND		0.1	0.01
p/m-Xylene	NS	NS	NS	NS	NS	NS	0.0015	J	0.002	0.0006	0.28	J	0.42	0.12	ND		0.002	0.0006	1.1		0.1	0.03	ND		0.1	0.028
o-Xylene	NS	NS	NS	NS	NS	NS	0.001		0.001	0.0003	0.24		0.21	0.061	ND		0.001	0.0003	0.76		0.053	0.015	0.015	J	0.05	0.015
Xylenes, Total	500	1.6	1000	100	100	0.26	0.0025	J	0.001	0.0003	0.52	J	0.21	0.061	ND		0.001	0.0003	1.9		0.053	0.015	0.015	J	0.05	0.015
cis-1,2-Dichloroethene	500	0.25	1000	59	100	0.25	ND		0.001	0.0002	ND		0.21	0.036	ND		0.001	0.0002	ND		0.053	0.0093	ND		0.05	0.0088
1,2-Dichloroethene, Total	NS	NS	NS	NS	NS	NS	ND		0.001	0.0001	ND		0.21	0.028	ND		0.001	0.0001	ND		0.053	0.0072	ND		0.05	0.0069
Dibromomethane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0002	ND		0.42	0.05	ND		0.002	0.0002	ND		0.1	0.012	ND		0.1	0.012
Styrene	NS	NS	NS	NS	NS	NS	ND		0.001	0.0002	ND		0.21	0.041	ND		0.001	0.0002	ND		0.053	0.01	ND		0.05	0.0099
Dichlorodifluoromethane	NS	NS	NS	NS	NS	NS	ND		0.01	0.0009	ND		2.1	0.19	ND		0.01	0.0009	ND		0.53	0.048	ND		0.5	0.046
Acetone	500	0.05	1000	100	100	0.05	0.017		0.01	0.0048	ND		2.1	1	0.097		0.01	0.0049	ND		0.53	0.25	ND		0.5	0.24
Carbon disulfide	NS	NS	NS	NS	NS	NS	ND		0.01	0.0045	ND		2.1	0.95	ND		0.01	0.0046	ND		0.53	0.24	ND		0.5	0.23
2-Butanone	500	0.12	1000	100	100	0.12	0.0075	J	0.01	0.0022	ND		2.1	0.46	0.004	J	0.01	0.0023	ND		0.53	0.12	ND		0.5	0.11

Table 5: Summary of Concrete Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-GW	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	CC-1				CC-2				CC-3				CC-4				CC-5				
LAB ID:							L1836519-01				L1836519-02				L1836519-03				L1836519-04				L1836519-05				
COLLECTION DATE:							9/13/2018				9/13/2018				9/13/2018				9/13/2018				9/13/2018				
SAMPLE MATRIX:							SOLID				SOLID				SOLID				SOLID				SOLID				
							Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
Vinyl acetate	NS	NS	NS	NS	NS	NS	ND		0.01	0.0021	ND		2.1	0.45	ND		0.01	0.0022	ND		0.53	0.11	ND		0.5	0.11	
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NS	0.0016	J	0.01	0.0013	ND		2.1	0.27	ND		0.01	0.0013	ND		0.53	0.068	ND		0.5	0.065	
1,2,3-Trichloropropane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0001	ND		0.42	0.026	ND		0.002	0.0001	ND		0.1	0.0067	0.045	J	0.1	0.0064	
2-Hexanone	NS	NS	NS	NS	NS	NS	ND		0.01	0.0012	ND		2.1	0.25	ND		0.01	0.0012	ND		0.53	0.062	ND		0.5	0.06	
Bromochloromethane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0002	ND		0.42	0.043	ND		0.002	0.0002	ND		0.1	0.011	ND		0.1	0.01	
2,2-Dichloropropane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0002	ND		0.42	0.042	ND		0.002	0.0002	ND		0.1	0.011	ND		0.1	0.01	
1,2-Dibromoethane	NS	NS	NS	NS	NS	NS	ND		0.001	0.0003	ND		0.21	0.058	ND		0.001	0.0003	ND		0.053	0.015	ND		0.05	0.014	
1,3-Dichloropropane	NS	NS	NS	NS	NS	NS	ND		0.002	0.0002	ND		0.42	0.035	ND		0.002	0.0002	ND		0.1	0.0088	ND		0.1	0.0084	
1,1,1,2-Tetrachloroethane	NS	NS	NS	NS	NS	NS	ND		0.0005	0.0001	ND		0.1	0.028	ND		0.0005	0.0001	ND		0.026	0.007	ND		0.025	0.0067	
Bromobenzene	NS	NS	NS	NS	NS	NS	ND		0.002	0.0001	ND		0.42	0.03	ND		0.002	0.0002	ND		0.1	0.0077	ND		0.1	0.0073	
n-Butylbenzene	500	12	1000	100	100	12	ND		0.001	0.0002	2.6		0.21	0.035	ND		0.001	0.0002	0.084		0.053	0.0088	0.073		0.05	0.0084	
sec-Butylbenzene	500	11	1000	100	100	11	ND		0.001	0.0001	0.89		0.21	0.03	ND		0.001	0.0002	0.04	J	0.053	0.0077	0.039	J	0.05	0.0074	
tert-Butylbenzene	500	5.9	1000	100	100	5.9	ND		0.002	0.0001	0.064	J	0.42	0.025	ND		0.002	0.0001	ND		0.1	0.0062	ND		0.1	0.006	
o-Chlorotoluene	NS	NS	NS	NS	NS	NS	ND		0.002	0.0002	ND		0.42	0.04	ND		0.002	0.0002	ND		0.1	0.01	ND		0.1	0.0096	
p-Chlorotoluene	NS	NS	NS	NS	NS	NS	ND		0.002	0.0001	ND		0.42	0.022	ND		0.002	0.0001	ND		0.1	0.0057	ND		0.1	0.0054	
1,2-Dibromo-3-chloropropane	NS	NS	NS	NS	NS	NS	ND		0.003	0.001	ND		0.62	0.21	ND		0.0031	0.001	ND		0.16	0.053	ND		0.15	0.05	
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	ND		0.004	0.0002	ND		0.83	0.035	ND		0.0041	0.0002	ND		0.21	0.0089	ND		0.2	0.0085	
Isopropylbenzene	NS	NS	NS	NS	NS	NS	0.0001	J	0.001	0.0001	0.1	J	0.21	0.023	ND		0.001	0.0001	0.014	J	0.053	0.0058	0.027	J	0.05	0.0055	
p-Isopropyltoluene	NS	NS	NS	NS	NS	NS	ND		0.001	0.0001	1.2		0.21	0.023	ND		0.001	0.0001	0.041	J	0.053	0.0058	0.15		0.05	0.0055	
Naphthalene	500	12	1000	100	100	12	0.0075		0.004	0.0007	2.5		0.83	0.14	ND		0.0041	0.0007	0.84		0.21	0.034	0.43		0.2	0.033	
Acrylonitrile	NS	NS	NS	NS	NS	NS	ND		0.004	0.0011	ND		0.83	0.24	ND		0.0041	0.0012	ND		0.21	0.061	ND		0.2	0.058	
n-Propylbenzene	500	3.9	1000	100	100	3.9	0.0005	J	0.001	0.0002	0.71		0.21	0.036	ND		0.001	0.0002	0.021	J	0.053	0.009	0.12		0.05	0.0086	
1,2,3-Trichlorobenzene	NS	NS	NS	NS	NS	NS	ND		0.002	0.0003	ND		0.42	0.067	ND		0.002	0.0003	ND		0.1	0.017	ND		0.1	0.016	
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	ND		0.002	0.0003	ND		0.42	0.057	ND		0.002	0.0003	ND		0.1	0.014	ND		0.1	0.014	
1,3,5-Trimethylbenzene	190	8.4	380	47	52	8.4	0.0015	J	0.002	0.0002	4		0.42	0.04	ND		0.002	0.0002	0.07	J	0.1	0.01	0.49		0.1	0.0097	
1,2,4-Trimethylbenzene	190	3.6	380	47	52	3.6	0.0061		0.002	0.0003	15		0.42	0.07	ND		0.002	0.0003	0.28		0.1	0.018	1.5		0.1	0.017	
1,4-Dioxane	130	0.1	250	9.8	13	0.1	ND		0.1	0.035	ND		21	7.3	ND		0.1	0.036	ND		5.3	1.8	ND		5	1.8	
p-Diethylbenzene	NS	NS	NS	NS	NS	NS	0.0008	J	0.002	0.0002	12		0.42	0.037	ND		0.002	0.0002	0.44		0.1	0.0094	0.97		0.1	0.0089	
p-Ethyltoluene	NS	NS	NS	NS	NS	NS	0.0024		0.002	0.0004	4.6		0.42	0.08	ND		0.002	0.0004	0.1		0.1	0.02	0.71		0.1	0.019	
1,2,4,5-Tetramethylbenzene	NS	NS	NS	NS	NS	NS	0.001	J	0.002	0.0002	4.1		0.42	0.04	ND		0.002	0.0002	0.26		0.1	0.01	0.21		0.1	0.0096	
Ethyl ether	NS	NS	NS	NS	NS	NS	ND		0.002	0.0003	ND		0.42	0.071	ND		0.002	0.0004	ND		0.1	0.018	ND		0.1	0.017	
trans-1,4-Dichloro-2-butene	NS	NS	NS	NS	NS	NS	ND		0.005	0.0014	ND		1	0.3	ND		0.0051	0.0014	ND		0.26	0.075	ND		0.25	0.072	
Total VOCs	NS	NS	NS	NS	NS	NS	0.0487	-	-	-	48.462	-	-	-	0.101	-	-	-	4.27	-	-	-	4.817	-	-	-	
SEMIVOLATILE ORGANIC COMPOUNDS (mg/kg)																											
Acenaphthene	500	98	1000	100	100	20	ND		1.3	0.13	ND		1.3	0.13	ND		0.14	0.013	ND		0.14	0.013	ND		1.4	0.13	
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	NS	ND		1.7	0.16	ND		1.6	0.16	ND		0.18	0.017	ND		0.17	0.017	ND		1.7	0.17	
Hexachlorobenzene	6	3.2	12	0.33	1.2	0.33	ND		1	0.16	ND		0.99	0.16	ND		0.1	0.017	ND		0.1	0.017	ND		1	0.17	
Bis(2-chloroethyl)ether	NS	NS	NS	NS	NS	NS	ND		1.7	0.21	ND		1.6	0.2	ND		0.18	0.022	ND		0.17	0.021	ND		1.7	0.21	
2-Chloronaphthalene	NS	NS	NS	NS	NS	NS	ND		1.7	0.1	ND		1.6	0.099	ND		0.18	0.01	ND		0.17	0.01	ND		1.7	0.1	
1,2-Dichlorobenzene	500	1.1	1000	100	100	1.1	ND		1.7	0.22	ND		1.6	0.22	ND		0.18	0.023	ND		0.17	0.022	ND		1.7	0.22	
1,3-Dichlorobenzene	280	2.4	560	17	49	2.4	ND		1.7	0.27	ND		1.6	0.26	ND		0.18	0.028	ND		0.17	0.027	ND		1.7	0.27	
1,4-Dichlorobenzene	130	1.8	250	9.8	13	1.8	ND		1.7	0.23	ND		1.6	0.23	ND		0.18	0.024	ND		0.17	0.024	ND		1.7	0.24	
3,3'-Dichlorobenzidine	NS	NS	NS	NS	NS	NS	ND		1.7	0.43	ND		1.6	0.42	ND		0.18	0.045	ND		0.17	0.044	ND		1.7	0.43	
2,4-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND		1.7	0.17	ND		1.6	0.16	ND		0.18	0.017	ND		0.17	0.017	ND		1.7	0.17	
2,6-Dinitrotoluene	NS	NS	NS	NS	NS	NS	ND		1.7	0.36	ND		1.6	0.36	ND		0.18	0.038	ND		0.17	0.037	ND		1.7	0.36	

Table 5: Summary of Concrete Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-GW	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	CC-1				CC-2				CC-3				CC-4				CC-5			
LAB ID:							L1836519-01				L1836519-02				L1836519-03				L1836519-04				L1836519-05			
COLLECTION DATE:							9/13/2018				9/13/2018				9/13/2018				9/13/2018				9/13/2018			
SAMPLE MATRIX:							SOLID				SOLID				SOLID				SOLID				SOLID			
							Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL
Fluoranthene	500	1000	1000	100	100	100	ND		1	0.098	ND		0.99	0.097	ND		0.1	0.01	0.14		0.1	0.01	ND		1	0.099
4-Chlorophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND		1.7	0.15	ND		1.6	0.15	ND		0.18	0.016	ND		0.17	0.016	ND		1.7	0.16
4-Bromophenyl phenyl ether	NS	NS	NS	NS	NS	NS	ND		1.7	0.18	ND		1.6	0.18	ND		0.18	0.019	ND		0.17	0.019	ND		1.7	0.18
Bis(2-chloroisopropyl)ether	NS	NS	NS	NS	NS	NS	ND		2	0.24	ND		2	0.24	ND		0.21	0.026	ND		0.21	0.025	ND		2	0.25
Bis(2-chloroethoxy)methane	NS	NS	NS	NS	NS	NS	ND		1.7	0.2	ND		1.6	0.2	ND		0.18	0.021	ND		0.17	0.021	ND		1.7	0.21
Hexachlorobutadiene	NS	NS	NS	NS	NS	NS	ND		1.7	0.26	ND		1.6	0.25	ND		0.18	0.027	ND		0.17	0.026	ND		1.7	0.26
Hexachlorocyclopentadiene	NS	NS	NS	NS	NS	NS	ND		4.7	0.17	ND		4.6	0.16	ND		0.49	0.017	ND		0.48	0.017	ND		4.7	0.17
Hexachloroethane	NS	NS	NS	NS	NS	NS	ND		1.3	0.23	ND		1.3	0.22	ND		0.14	0.024	ND		0.14	0.023	ND		1.4	0.23
Isophorone	NS	NS	NS	NS	NS	NS	ND		1.7	0.21	ND		1.6	0.2	ND		0.18	0.022	ND		0.17	0.021	ND		1.7	0.21
Naphthalene	500	12	1000	100	100	12	ND		1.7	0.16	1.5	J	1.6	0.16	ND		0.18	0.017	0.39		0.17	0.017	ND		1.7	0.17
Nitrobenzene	NS	NS	NS	NS	NS	NS	ND		1.7	0.15	ND		1.6	0.15	ND		0.18	0.016	ND		0.17	0.016	ND		1.7	0.16
NDPA/DPA	NS	NS	NS	NS	NS	NS	ND		1.3	0.25	ND		1.3	0.24	ND		0.14	0.026	ND		0.14	0.025	ND		1.4	0.25
n-Nitrosodi-n-propylamine	NS	NS	NS	NS	NS	NS	ND		1.7	0.3	ND		1.6	0.29	ND		0.18	0.031	ND		0.17	0.03	ND		1.7	0.3
Bis(2-ethylhexyl)phthalate	NS	NS	NS	NS	NS	NS	1.6	J	1.7	0.35	10		1.6	0.34	ND		0.18	0.036	0.16	J	0.17	0.036	1.9		1.7	0.35
Butyl benzyl phthalate	NS	NS	NS	NS	NS	NS	1.1	J	1.7	0.36	2.1		1.6	0.36	ND		0.18	0.038	ND		0.17	0.037	ND		1.7	0.37
Di-n-butylphthalate	NS	NS	NS	NS	NS	NS	ND		1.7	0.37	0.5	J	1.6	0.37	ND		0.18	0.039	ND		0.17	0.038	ND		1.7	0.38
Di-n-octylphthalate	NS	NS	NS	NS	NS	NS	ND		1.7	0.29	ND		1.6	0.28	ND		0.18	0.03	ND		0.17	0.029	ND		1.7	0.29
Diethyl phthalate	NS	NS	NS	NS	NS	NS	ND		1.7	0.14	ND		1.6	0.13	ND		0.18	0.014	ND		0.17	0.014	ND		1.7	0.14
Dimethyl phthalate	NS	NS	NS	NS	NS	NS	ND		1.7	0.096	ND		1.6	0.094	ND		0.18	0.01	ND		0.17	0.0098	ND		1.7	0.096
Benzo(a)anthracene	5.6	1	11	1	1	1	ND		1	0.22	ND		0.99	0.22	ND		0.1	0.024	ND		0.1	0.023	ND		1	0.23
Benzo(a)pyrene	1	22	1.1	1	1	1	ND		1.3	0.18	ND		1.3	0.18	ND		0.14	0.019	ND		0.14	0.018	ND		1.4	0.18
Benzo(b)fluoranthene	5.6	1.7	11	1	1	1	ND		1	0.13	ND		0.99	0.13	ND		0.1	0.014	ND		0.1	0.014	ND		1	0.13
Benzo(k)fluoranthene	56	1.7	110	1	3.9	0.8	ND		1	0.14	ND		0.99	0.14	ND		0.1	0.015	ND		0.1	0.014	ND		1	0.14
Chrysene	56	1	110	1	3.9	1	ND		1	0.26	ND		0.99	0.25	ND		0.1	0.027	0.058	J	0.1	0.026	ND		1	0.26
Acenaphthylene	500	107	1000	100	100	100	ND		1.3	0.16	ND		1.3	0.16	ND		0.14	0.017	ND		0.14	0.017	ND		1.4	0.17
Anthracene	500	1000	1000	100	100	100	ND		1	0.22	ND		0.99	0.22	ND		0.1	0.023	0.12		0.1	0.023	ND		1	0.22
Benzo(ghi)perylene	500	1000	1000	100	100	100	ND		1.3	0.12	ND		1.3	0.12	ND		0.14	0.013	ND		0.14	0.012	ND		1.4	0.12
Fluorene	500	386	1000	100	100	30	ND		1.7	0.12	ND		1.6	0.11	ND		0.18	0.012	0.22		0.17	0.012	ND		1.7	0.12
Phenanthrene	500	1000	1000	100	100	100	ND		1	0.3	ND		0.99	0.3	ND		0.1	0.032	2.7		0.1	0.031	ND		1	0.3
Dibenzo(a,h)anthracene	0.56	1000	1.1	0.33	0.33	0.33	ND		1	0.13	ND		0.99	0.13	ND		0.1	0.014	ND		0.1	0.014	ND		1	0.14
Indeno(1,2,3-cd)pyrene	5.6	8.2	11	0.5	0.5	0.5	ND		1.3	0.14	ND		1.3	0.14	ND		0.14	0.015	ND		0.14	0.015	ND		1.4	0.14
Pyrene	500	1000	1000	100	100	100	ND		1	0.27	ND		0.99	0.26	ND		0.1	0.028	0.74		0.1	0.027	ND		1	0.27
Biphenyl	NS	NS	NS	NS	NS	NS	7.9		3.7	0.13	0.46	J	3.6	0.12	ND		0.39	0.013	0.51		0.38	0.013	ND		3.7	0.13
4-Chloroaniline	NS	NS	NS	NS	NS	NS	ND		1.7	0.42	ND		1.6	0.42	ND		0.18	0.044	ND		0.17	0.044	ND		1.7	0.43
2-Nitroaniline	NS	NS	NS	NS	NS	NS	ND		1.7	0.23	ND		1.6	0.23	ND		0.18	0.024	ND		0.17	0.024	ND		1.7	0.23
3-Nitroaniline	NS	NS	NS	NS	NS	NS	ND		1.7	0.21	ND		1.6	0.21	ND		0.18	0.022	ND		0.17	0.022	ND		1.7	0.21
4-Nitroaniline	NS	NS	NS	NS	NS	NS	ND		1.7	0.3	ND		1.6	0.29	ND		0.18	0.031	ND		0.17	0.03	ND		1.7	0.3
Dibenzofuran	350	210	1000	14	59	7	ND		1.7	0.12	ND		1.6	0.12	ND		0.18	0.012	0.28		0.17	0.012	ND		1.7	0.12
2-Methylnaphthalene	NS	NS	NS	NS	NS	NS	ND		2	0.19	2.2		2	0.18	ND		0.21	0.02	3.2		0.21	0.019	ND		2	0.19
1,2,4,5-Tetrachlorobenzene	NS	NS	NS	NS	NS	NS	ND		1.7	0.11	ND		1.6	0.11	ND		0.18	0.012	ND		0.17	0.011	ND		1.7	0.11
Acetophenone	NS	NS	NS	NS	NS	NS	ND		1.7	0.35	ND		1.6	0.34	ND		0.18	0.036	ND		0.17	0.035	ND		1.7	0.35
2,4,6-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND		1	0.29	ND		0.99	0.29	ND		0.1	0.031	ND		0.1	0.03	ND		1	0.3
p-Chloro-m-cresol	NS	NS	NS	NS	NS	NS	ND		1.7	0.34	ND		1.6	0.33	ND		0.18	0.035	ND		0.17	0.034	ND		1.7	0.34
2-Chlorophenol	NS	NS	NS	NS	NS	NS	ND		1.7	0.29	ND		1.6	0.28	ND		0.18	0.03	ND		0.17	0.03	ND		1.7	0.29
2,4-Dichlorophenol	NS	NS	NS	NS	NS	NS	ND		1.7	0.23	ND		1.6	0.23	ND		0.18	0.024	ND		0.17	0.024	ND		1.7	0.24

Table 5: Summary of Concrete Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-GW	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	CC-1				CC-2				CC-3				CC-4				CC-5				
LAB ID:							L1836519-01				L1836519-02				L1836519-03				L1836519-04				L1836519-05				
COLLECTION DATE:							9/13/2018				9/13/2018				9/13/2018				9/13/2018				9/13/2018				
SAMPLE MATRIX:							SOLID				SOLID				SOLID				SOLID				SOLID				
							Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
2,4-Dimethylphenol	NS	NS	NS	NS	NS	NS	ND		1.7	0.11	ND		1.6	0.1	ND		0.18	0.011	ND		0.17	0.011	ND		1.7	0.11	
2-Nitrophenol	NS	NS	NS	NS	NS	NS	ND		3.7	0.24	ND		3.6	0.24	ND		0.39	0.025	ND		0.38	0.025	ND		3.7	0.24	
4-Nitrophenol	NS	NS	NS	NS	NS	NS	ND		2.4	0.42	ND		2.3	0.41	ND		0.25	0.044	ND		0.24	0.043	ND		2.4	0.42	
2,4-Dinitrophenol	NS	NS	NS	NS	NS	NS	ND		8.1	0.3	ND		7.9	0.3	ND		0.84	0.032	ND		0.82	0.031	ND		8.1	0.3	
4,6-Dinitro-o-cresol	NS	NS	NS	NS	NS	NS	ND		4.4	0.2	ND		4.3	0.2	ND		0.46	0.021	ND		0.45	0.021	ND		4.4	0.2	
Pentachlorophenol	6.7	0.8	55	2.4	6.7	0.8	ND		1.3	0.28	ND		1.3	0.27	ND		0.14	0.029	ND		0.14	0.028	ND		1.4	0.28	
Phenol	500	0.33	1000	100	100	0.33	ND		1.7	0.19	0.68	J	1.6	0.19	0.073	J	0.18	0.02	ND		0.17	0.02	ND		1.7	0.19	
2-Methylphenol	500	0.33	1000	100	100	0.33	ND		1.7	0.49	ND		1.6	0.48	ND		0.18	0.051	ND		0.17	0.05	ND		1.7	0.49	
3-Methylphenol/4-Methylphenol	500	0.33	1000	34	100	0.33	ND		2.4	0.36	ND		2.3	0.36	ND		0.25	0.038	ND		0.24	0.037	ND		2.4	0.37	
2,4,5-Trichlorophenol	NS	NS	NS	NS	NS	NS	ND		1.7	0.22	ND		1.6	0.22	ND		0.18	0.023	ND		0.17	0.022	ND		1.7	0.22	
Benzoic Acid	NS	NS	NS	NS	NS	NS	ND		5.4	0.43	ND		5.3	0.42	ND		0.56	0.045	ND		0.55	0.044	ND		5.4	0.43	
Benzyl Alcohol	NS	NS	NS	NS	NS	NS	ND		1.7	0.35	31		1.6	0.34	3.3		0.18	0.037	0.083	J	0.17	0.036	ND		1.7	0.35	
Carbazole	NS	NS	NS	NS	NS	NS	ND		1.7	0.11	ND		1.6	0.11	ND		0.18	0.012	ND		0.17	0.011	ND		1.7	0.11	
Total SVOCs	NS	NS	NS	NS	NS	NS	10.6	-	-	-	48.44	-	-	-	3.373	-	-	-	8.601	-	-	-	1.9	-	-	-	
PESTICIDES (mg/kg)																											
Delta-BHC	500	0.25	1000	100	100	0.04	ND		0.0047	0.0009	ND		0.0046	0.0009	ND		0.0045	0.0009	ND		0.0046	0.0009	ND		0.0048	0.0009	
Lindane	9.2	0.1	23	0.28	1.3	0.1	ND		0.002	0.0009	ND		0.0019	0.0009	ND		0.0019	0.0008	ND		0.0019	0.0009	ND		0.002	0.0009	
Alpha-BHC	3.4	0.02	6.8	0.097	0.48	0.02	ND		0.002	0.0006	ND		0.0019	0.0005	ND		0.0019	0.0005	ND		0.0019	0.0005	ND		0.002	0.0006	
Beta-BHC	3	0.09	14	0.072	0.36	0.036	ND		0.0047	0.0018	ND		0.0046	0.0017	ND		0.0045	0.0017	ND		0.0046	0.0017	ND		0.0048	0.0018	
Heptachlor	15	0.38	29	0.42	2.1	0.042	ND		0.0023	0.0011	ND		0.0023	0.001	ND		0.0023	0.001	ND		0.0023	0.001	ND		0.0024	0.0011	
Aldrin	0.68	0.19	1.4	0.019	0.097	0.005	ND		0.0047	0.0016	ND		0.0046	0.0016	ND		0.0045	0.0016	ND		0.0046	0.0016	ND		0.0048	0.0017	
Heptachlor epoxide	NS	NS	NS	NS	NS	NS	0.004	J	0.0088	0.0026	ND		0.0086	0.0026	ND		0.0085	0.0026	0.0047	J	0.0086	0.0026	0.0028	J	0.009	0.0027	
Endrin	89	0.06	410	2.2	11	0.014	ND		0.002	0.0008	ND		0.0019	0.0008	ND		0.0019	0.0008	ND		0.0019	0.0008	ND		0.002	0.0008	
Endrin aldehyde	NS	NS	NS	NS	NS	NS	ND		0.0058	0.002	ND		0.0057	0.002	ND		0.0057	0.002	ND		0.0057	0.002	ND		0.006	0.0021	
Endrin ketone	NS	NS	NS	NS	NS	NS	ND		0.0047	0.0012	ND		0.0046	0.0012	ND		0.0045	0.0012	ND		0.0046	0.0012	ND		0.0048	0.0012	
Dieldrin	1.4	0.1	2.8	0.039	0.2	0.005	ND		0.0029	0.0015	ND		0.0029	0.0014	ND		0.0028	0.0014	ND		0.0029	0.0014	ND		0.003	0.0015	
4,4'-DDE	62	17	120	1.8	8.9	0.0033	ND		0.0047	0.0011	ND		0.0046	0.0011	ND		0.0045	0.0011	ND		0.0046	0.0011	0.0027	J	0.0048	0.0011	
4,4'-DDD	92	14	180	2.6	13	0.0033	ND		0.0047	0.0017	ND		0.0046	0.0016	ND		0.0045	0.0016	ND		0.0046	0.0016	ND		0.0048	0.0017	
4,4'-DDT	47	136	94	1.7	7.9	0.0033	ND		0.0088	0.0038	ND		0.0086	0.0037	ND		0.0085	0.0037	ND		0.0086	0.0037	ND		0.009	0.0039	
Endosulfan I	200	102	920	4.8	24	2.4	ND		0.0047	0.0011	ND		0.0046	0.0011	ND		0.0045	0.0011	ND		0.0046	0.0011	ND		0.0048	0.0011	
Endosulfan II	200	102	920	4.8	24	2.4	ND		0.0047	0.0016	ND		0.0046	0.0015	ND		0.0045	0.0015	ND		0.0046	0.0015	ND		0.0048	0.0016	
Endosulfan sulfate	200	1000	920	4.8	24	2.4	ND		0.002	0.0009	ND		0.0019	0.0009	ND		0.0019	0.0009	ND		0.0019	0.0009	ND		0.002	0.0009	
Methoxychlor	NS	NS	NS	NS	NS	NS	ND		0.0088	0.0027	ND		0.0086	0.0027	ND		0.0085	0.0027	ND		0.0086	0.0027	ND		0.009	0.0028	
Toxaphene	NS	NS	NS	NS	NS	NS	ND		0.0876	0.0245	ND		0.0856	0.024	ND		0.0852	0.0239	ND		0.0856	0.024	ND		0.0897	0.0251	
cis-Chlordane	24	2.9	47	0.91	4.2	0.094	ND		0.0058	0.0016	ND		0.0057	0.0016	ND		0.0057	0.0016	ND		0.0057	0.0016	ND		0.006	0.0017	
trans-Chlordane	NS	NS	NS	NS	NS	NS	ND		0.0058	0.0015	ND		0.0057	0.0015	ND		0.0057	0.0015	ND		0.0057	0.0015	ND		0.006	0.0016	
Chlordane	NS	NS	NS	NS	NS	NS	ND		0.038	0.0155	ND		0.0371	0.0151	ND		0.0369	0.015	ND		0.0371	0.0151	ND		0.0389	0.0158	
POLYCHLORINATED BIPHENYLS (mg/kg)																											
Aroclor 1016	1	3.2	25	1	1	0.1	ND		0.0944	0.0084	ND		0.101	0.0089	ND		0.095	0.0084	ND		0.101	0.0089	ND		0.0956	0.0085	
Aroclor 1221	1	3.2	25	1	1	0.1	ND		0.0944	0.0095	ND		0.101	0.0101	ND		0.095	0.0095	ND		0.101	0.0101	ND		0.0956	0.0096	
Aroclor 1232	1	3.2	25	1	1	0.1	ND		0.0944	0.02	ND		0.101	0.0214	ND		0.095	0.0201	ND		0.101	0.0213	ND		0.0956	0.0203	
Aroclor 1242	1	3.2	25	1	1	0.1	ND		0.0944	0.0127	ND		0.101	0.0136	ND		0.095	0.0128	ND		0.101	0.0136	ND		0.0956	0.0129	
Aroclor 1248	1	3.2	25	1	1	0.1	ND		0.0944	0.0142	ND		0.101	0.0151	ND		0.095	0.0142	ND		0.101	0.0151	ND		0.0956	0.0143	
Aroclor 1254	1	3.2	25	1	1	0.1	ND		0.0944	0.0103	ND		0.101	0.011	ND		0.095	0.0104	ND		0.101	0.011	ND		0.0956	0.0105	
Aroclor 1260	1	3.2	25	1	1	0.1	ND		0.0944	0.0174	ND		0.101	0.0186	ND		0.095	0.0176	ND		0.101	0.0186	ND		0.0956	0.0177	

Table 5: Summary of Concrete Analytical Results
Newsday, 235 Pinelawn Road, Melville, NY

SAMPLE ID:	RUSCO-C	RUSCO-GW	RUSCO-I	RUSCO-R	RUSCO-RR	UUSCO	CC-1				CC-2				CC-3				CC-4				CC-5				
LAB ID:							L1836519-01				L1836519-02				L1836519-03				L1836519-04				L1836519-05				
COLLECTION DATE:							9/13/2018				9/13/2018				9/13/2018				9/13/2018				9/13/2018				
SAMPLE MATRIX:							SOLID				SOLID				SOLID				SOLID				SOLID				
							Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc	Q	RL	MDL	Conc
Aroclor 1262	1	3.2	25	1	1	0.1	ND		0.0944	0.012	ND		0.101	0.0128	ND		0.095	0.0121	ND		0.101	0.0128	ND		0.0956	0.0121	
Aroclor 1268	1	3.2	25	1	1	0.1	ND		0.0944	0.0098	ND		0.101	0.0104	ND		0.095	0.0098	ND		0.101	0.0104	ND		0.0956	0.0099	
PCBs, Total	1	3.2	25	1	1	0.1	ND		0.0944	0.0084	ND		0.101	0.0089	ND		0.095	0.0084	ND		0.101	0.0089	ND		0.0956	0.0085	
TOTAL METALS (mg/kg)																											
Aluminum, Total	NS	NS	NS	NS	NS	NS	6840		7.64	2.06	7260		7.87	2.12	5980		8.15	2.2	6620		7.88	2.13	5980		7.77	2.1	
Antimony, Total	NS	NS	NS	NS	NS	NS	ND		3.82	0.29	2.96	J	3.94	0.299	1.95	J	4.08	0.31	ND		3.94	0.3	ND		3.88	0.295	
Arsenic, Total	16	16	16	16	16	13	4.32		0.764	0.159	4.49		0.787	0.164	24.4		0.815	0.17	3.61		0.788	0.164	4.27		0.777	0.162	
Barium, Total	400	820	10000	350	400	350	41		0.764	0.133	52.3		0.787	0.137	70.1		0.815	0.142	41.2		0.788	0.137	40		0.777	0.135	
Beryllium, Total	590	47	2700	14	72	7.2	0.076	J	0.382	0.025	0.102	J	0.394	0.026	0.114	J	0.408	0.027	0.071	J	0.394	0.026	0.062	J	0.388	0.026	
Cadmium, Total	9.3	7.5	60	2.5	4.3	2.5	0.214	J	0.764	0.075	0.464	J	0.787	0.077	0.465	J	0.815	0.08	0.11	J	0.788	0.077	0.194	J	0.777	0.076	
Calcium, Total	NS	NS	NS	NS	NS	NS	95300		76.4	26.7	79400		78.7	27.6	107000		81.5	28.5	96300		78.8	27.6	75800		77.7	27.2	
Chromium, Total	NS	NS	NS	NS	NS	NS	25.7		0.764	0.073	36		0.787	0.076	10		0.815	0.078	13.6		0.788	0.076	22.4		0.777	0.075	
Cobalt, Total	NS	NS	NS	NS	NS	NS	3.99		1.53	0.127	4.08		1.57	0.131	4.04		1.63	0.135	2.41		1.58	0.131	5.01		1.55	0.129	
Copper, Total	270	1720	10000	270	270	50	7.7		0.764	0.197	157		0.787	0.203	52.6		0.815	0.21	3.69		0.788	0.203	9.53		0.777	0.2	
Iron, Total	NS	NS	NS	NS	NS	NS	6540		3.82	0.69	7400		3.94	0.711	9260		4.08	0.736	6960		3.94	0.712	5460		3.88	0.701	
Lead, Total	1000	450	3900	400	400	63	15.4		3.82	0.205	15.1		3.94	0.211	44.5		4.08	0.218	1.7	J	3.94	0.211	11.3		3.88	0.208	
Magnesium, Total	NS	NS	NS	NS	NS	NS	2820		7.64	1.18	2570		7.87	1.21	2590		8.15	1.26	1960		7.88	1.21	2290		7.77	1.2	
Manganese, Total	10000	2000	10000	2000	2000	1600	129		0.764	0.121	114		0.787	0.125	88.8		0.815	0.13	154		0.788	0.125	101		0.777	0.124	
Mercury, Total	2.8	0.73	5.7	0.81	0.81	0.18	ND		0.065	0.014	ND		0.065	0.014	ND		0.068	0.014	ND		0.066	0.014	ND		0.066	0.014	
Nickel, Total	310	130	10000	140	310	30	9.7		1.91	0.185	15.1		1.97	0.19	3.59		2.04	0.197	5.15		1.97	0.191	9.3		1.94	0.188	
Potassium, Total	NS	NS	NS	NS	NS	NS	1600		191	11	1650		197	11.3	1200		204	11.7	908		197	11.4	2060		194	11.2	
Selenium, Total	1500	4	6800	36	180	3.9	ND		1.53	0.197	ND		1.57	0.203	0.448	J	1.63	0.21	0.339	J	1.58	0.203	ND		1.55	0.2	
Silver, Total	1500	8.3	6800	36	180	2	ND		0.764	0.216	ND		0.787	0.223	ND		0.815	0.231	ND		0.788	0.223	ND		0.777	0.22	
Sodium, Total	NS	NS	NS	NS	NS	NS	636		153	2.41	875		157	2.48	334		163	2.57	401		158	2.48	1060		155	2.45	
Thallium, Total	NS	NS	NS	NS	NS	NS	ND		1.53	0.241	ND		1.57	0.248	ND		1.63	0.257	ND		1.58	0.248	ND		1.55	0.245	
Vanadium, Total	NS	NS	NS	NS	NS	NS	13.2		0.764	0.155	13.2		0.787	0.16	13.3		0.815	0.165	17.9		0.788	0.16	11.7		0.777	0.158	
Zinc, Total	10000	2480	10000	2200	10000	109	841		3.82	0.224	164		3.94	0.231	130		4.08	0.239	14		3.94	0.231	38.2		3.88	0.228	
GENERAL CHEMISTRY																											
Solids, Total	NS	NS	NS	NS	NS	NS	98.4		0.1	NA	97.7		0.1	NA	94.3		0.1	NA	96.1		0.1	NA	96.8		0.1	NA	

* Comparison is not performed on parameters with non-numeric criteria.
NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESGW: New York NYCRR Part 375 Groundwater Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

mg/kg: milligrams per kilogram
Conc: Concentration
Q: Laboratory Qualifier
RL: Reporting Limit
MDL: Method Detection Limit
Highlighted and bolded concentrations exceed one or more of applicable standards
NS: No Standard
ND: Non-Detect
J: Laboratory reported at an estimated concentration

APPENDIX A

SOIL BORING LOGS

SOIL BORING / MONITORING WELL CONSTRUCTION LOG													
VERTEX	PROJECT: Newsday				PROJECT NO.:	52692		BORING NO.:	VTX-1				
	LOCATION: 235 Pinelawn Road Melville, New York				DRILLER:	Hawk- Mike; Nelson		WELL:	NA				
	Date Start: 9/10/2018				Date Finish: 9/13/2018		INSPECTOR: Wesley Swanson						
SAMPLER		CASING		CORE	GROUNDWATER DEPTH MEASUREMENTS			GS Elevation Data					
TYPE	AMS 9500-VTR			NA	RISER ELEV.:	NA		Datum:					
SIZE (ID)	2			NA	DATE:	NA							
HAMMER (LB.)	NA			NA	TIME:	NA		Elevation (ft):					
FALL (IN.)	NA			NA	DEPTH (ft):	NA							
SAMPLE INFORMATION					SOIL DESCRIPTION			WELL CONST		WELL DETAILS			
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)									
1	0-5	5/3.5	NA	5.0-10.0	0.0-5.0': Medium brown/ light brown CFM sand. Small to medium cobbles.								
2				5.0-10.0									
3				5.0-10.0									
4				5.0-10.0									
5				5.0-10.0									
6	5-10	5/1.0	NA	10.0	5.0-10.0': Light brown very fine silt.								
7				10.0									
8				10.5									
9				11.0									
10				11.0									
11	10-15	5/5	NA	10.0	10.0-13.0': Light brown CFM sand with cobbles.								
12				11.0									
13				13.0									
14							10.0				13.0-15.0': Medium brown CFM sand. Large rocks and cobbles.		
15							9.0						
16	15-20				End of boring								
17				VTX-1 sample collected (2.5-3.0') @ 13:55									
18													
19													
20													
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS							
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)				Screen Riser Concrete Bentonite Native Sand Grout				
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2								
5 - 15%	Little	Loose	4 - 10	Soft	2 - 4								
15 - 30%	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8								
30 - 50%	Modifier	Dense	30 - 50	Stiff	8 - 15								
>50%	In CAPs	Very Dense	>50	Very Stiff	15 - 30								
Note(s):				Hard	>30								
Please note background ambient PID readings ranged from 5.0-10.0ppm during drilling and sampling. Groundwater was not encountered in drilling.													
GROUNDWATER MONITORING WELL DATA					WELL MATERIALS USED								
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEAL:	NA	SAND:	NA	SAND SIZE:	NA				
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA						
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA						
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA										

SOIL BORING / MONITORING WELL CONSTRUCTION LOG										
VERTEX	PROJECT: Newsday				PROJECT NO.: 52692	BORING NO.: VTX-2				
	LOCATION: 235 Pinelawn Road Melville, New York				DRILLER: Hawk- Mike; Nelson	WELL: NA				
	Date Start: 9/10/2018 Date Finish: 9/13/2018				INSPECTOR: Wesley Swanson					
SAMPLER		CASING		CORE	GROUNDWATER DEPTH MEASUREMENTS			GS Elevation Data		
TYPE	AMS 9500-VTR			NA	RISER ELEV.:	NA		Datum:		
SIZE (ID)	2			NA	DATE:	NA				
HAMMER (LB.)	NA			NA	TIME:	NA		Elevation (ft):		
FALL (IN.)	NA			NA	DEPTH (ft):	NA				
SAMPLE INFORMATION				SOIL DESCRIPTION				WELL CONST		WELL DETAILS
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)						
1	0-5	5/3.5	NA	2.9-15.0	0.0-5.0': Medium / light brown CFM sand. Stone and cobbles.					
2				2.9-15.0						
3				2.9-15.0						
4				2.9-15.0						
5				2.9-15.0						
6	5-10	5/4.5	NA	2.9-15.0	5.0-11.0': Light brown fine sand, trace stone.					
7				2.9-15.0						
8				2.9-15.0						
9				2.9-15.0						
10				2.9-15.0						
11	10-15	5/3.5	NA	2.9-15.0	11.0-11.5': Light brown CFM sand, large stones and cobbles.					
12				2.9-15.0						
13				2.9-15.0						
14				2.9-15.0						
15				2.9-15.0						
16	15-20				End of boring					
17				VTX-2 sample collected (2.5-3.0') @ 14:45						
18										
19										
20										
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS				
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)				Screen Riser Concrete Bentonite Native Sand Grout	
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2					
5 - 15%	Little	Loose	4 - 10	Soft	2 - 4					
15 - 30%	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8					
30 - 50%	Modifier	Dense	30 - 50	Stiff	8 - 15					
>50%	In CAPs	Very Dense	>50	Very Stiff	15 - 30					
Note(s):				Hard		>30				
Please note background ambient PID readings ranged from 2.9-15.0ppm during drilling and sampling. Groundwater was not encountered during drilling.										
GROUNDWATER MONITORING WELL DATA					WELL MATERIALS USED					
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEAL:	NA	SAND:	NA	SAND SIZE:	NA	
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA			
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA			
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA							

SOIL BORING / MONITORING WELL CONSTRUCTION LOG												
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018 Date Finish: 9/13/2018				PROJECT NO.: 52692 DRILLER: Hawk- Mike, Nelson		BORING NO.: VTX-3 WELL: NA		INSPECTOR: Wesley Swanson		
		SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data		
		TYPE: AMS 9500-VTR				NA		RISER ELEV.: NA		Datum:		
		SIZE (ID): 2				NA		DATE: NA				
HAMMER (LB.): NA				NA		TIME: NA		Elevation (ft):				
FALL (IN.): NA				NA		DEPTH (ft): NA						
SAMPLE INFORMATION					SOIL DESCRIPTION				WELL CONST		WELL DETAILS	
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)								
1	0-5	5/3.5	NA	0.8	0.0-1.0': Fine concrete dust / silt, concrete fragments.							
2				0.0	1.0-7.0': Medium brown fine sand, trace rock fragments.							
3				0.0								
4				0.0								
5				0.0								
6	5-10	5/1.0	NA	0.0	7.0-8.0': Light brown fine silty sand.							
7				0.0								
8				0.0								
9				0.0								
10				0.0								
11	10-15	5/5	NA	0.0	10.0-12.0': Light brown fine concrete dust cave in, trace cobbles.							
12				0.0	12.0-15.0': Light brown / white coarse sand, trace stones and cobbles.							
13				0.0								
14				0.0								
15				0.0								
16	15-20				End of boring							
17					VTX-3 sample collected (2.5-3.0') @ 08:45							
18												
19												
20												
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS						
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)							
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2							
5 - 15%	Little	Loose	4 - 10	Soft	2 - 4							
15 - 30%	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8							
30 - 50%	Modifier	Dense	30 - 50	Stiff	8 - 15							
>50%	In CAPs	Very Dense	>50	Very Stiff	15 - 30							
Note(s):				Hard		>30						
Groundwater was not encountered during drilling.												
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED						
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEAL:	NA	SAND:	NA	SAND SIZE:	NA			
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA					
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA					
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA									

SOIL BORING / MONITORING WELL CONSTRUCTION LOG																		
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018 Date Finish: 9/13/2018				PROJECT NO.: 52692 DRILLER: Hawk- Mike; Nelson INSPECTOR: Wesley Swanson		BORING NO.: VTX-4 WELL: NA										
		SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS			GS Elevation Data							
		TYPE: AMS 9500-VTR				NA		RISER ELEV.: NA			Datum:							
		SIZE (ID): 2				NA		DATE: NA										
HAMMER (LB.): NA				NA		TIME: NA			Elevation (ft):									
FALL (IN.): NA				NA		DEPTH (ft): NA												
SAMPLE INFORMATION					SOIL DESCRIPTION				WELL CONST			WELL DETAILS						
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)														
1	0-5	5/3.5	NA	5.0-10.0	0.0-5.0': Medium brown/ light brown CFM sand. Small to medium cobbles.													
2				5.0-10.0														
3				5.0-10.0														
4				5.0-10.0														
5				5.0-10.0														
6	5-10	5/1.0	NA	10.0	5.0-10.0': Light brown very fine silt.													
7				10.0														
8				10.5														
9				11.0														
10				11.0														
11	10-15	5/5	NA	10.0	10.0-13.0': Light brown CFM sand with cobbles.													
12				11.0														
13				13.0														
14					13.0-15.0': Medium brown CFM sand. Large rocks and cobbles.													
15				9.0														
16	15-20			End of boring														
17																		
18																		
19																		
20																		
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS									
%	Descriptor		Density	Blows (N)	Consistency	Blows (N)												
0 - 5 %	Trace		Very Loose	0 - 4	Very Soft	<2												
5 - 15%	Little		Loose	4 - 10	Soft	2 - 4												
15 - 30%	Some		Medium Dense	10 - 30	Medium Stiff	4 - 8												
30 - 50%	Modifier		Dense	30 - 50	Stiff	8 - 15												
>50%	In CAPs		Very Dense	>50	Very Stiff	15 - 30												
Note(s): Groundwater was not encountered during drilling. Please note background ambient PID readings ranged from 5.0-10.0ppm during drilling.					Hard		>30											
GROUNDWATER MONITORING WELL DATA								WELL MATERIALS USED										
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEAL:	NA	SAND:	NA	SAND SIZE:	NA									
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA											
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA											
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA															

SOIL BORING / MONITORING WELL CONSTRUCTION LOG										
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018 Date Finish: 9/13/2018				PROJECT NO.: 52692 DRILLER: Hawk-Mike; Nelson		BORING NO.: VTX-6 WELL: NA		
						INSPECTOR: Wesley Swanson				
		SAMPLER		CASING	CORE	GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data		
		TYPE: AMS 9500-VTR			NA	RISER ELEV.: NA		Datum:		
SIZE (ID): 2			NA	DATE: NA						
HAMMER (LB.): NA			NA	TIME: NA				Elevation (ft):		
FALL (IN.): NA			NA	DEPTH (ft): NA						
SAMPLE INFORMATION					SOIL DESCRIPTION			WELL CONST		
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)	0.0-1.0': Asphalt, sub-base, crushed concrete, stone, brick 1.0-2.0': Light brown / white crushed rock, fine silt 2.0-5.0': Light brown / white CFM sand, white stone and cobbles.					
1	0-5	5/3	NA	0.1						
2				4.6						
3				0.0						
4				0.0						
5				0.0						
6	5-10				End of boring					
7										
8										
9										
10										
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS	
%	Descriptor		Density	Blows (N)	Consistency	Blows (N)				
0 - 5 %	Trace		Very Loose	0 - 4	Very Soft	<2				
5 - 15%	Little		Loose	4 - 10	Soft	2 - 4				
15 - 30%	Some		Medium Dense	10 - 30	Medium Stiff	4 - 8				
30 - 50%	Modifier		Dense	30 - 50	Stiff	8 - 15				
>50%	In CAPs		Very Dense	>50	Very Stiff	15 - 30				
Note(s): No grab sample collected, only composite.					Hard		>30			
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED				
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SE/	NA	SAND:	NA	SAND SIZE:	NA	
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA			
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA			
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA							

SOIL BORING / MONITORING WELL												
CONSTRUCTION LOG												
		PROJECT: Newsday		PROJECT NO.: 52692		BORING NO.: VTX-7						
		LOCATION: 235 Pinelawn Road Melville, New York		DRILLER: Hawk- Mike; Nelson		WELL: NA						
		Date Start: 9/10/2018		Date Finish: 9/13/2018		INSPECTOR: Wesley Swanson						
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data				
TYPE: AMS 9500-VTR				NA		RISER ELEV.: 55.0'		Datum:				
SIZE (ID): 2				NA		DATE: 9/11/2018		Elevation (ft):				
HAMMER (LB.): NA				NA		TIME: 10:05						
FALL (IN.): NA				NA		DEPTH (ft): 44.0						
SAMPLE INFORMATION					SOIL DESCRIPTION				WELL CONST		WELL DETAILS	
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)	0.0-2.0': Black / brown asphalt, crushed brick, stone, silt							
1	0-5	5/3	NA	0.5								
2				0.8								
3				1.0								
4				1.5								
5				2.5								
6	5-10	5/1	NA	3.5	2.0-13.0': Medium / light brown beach sand with stones and cobbles.							
7				12.0								
8				8.0								
9				NR								
10				NR								
11	10-15	5/1.5	NA	NR	13.0-30.0': Yellow / light brown CFM sand with stones and cobbles.							
12				NR								
13				NR								
14				NR								
15				NR								
16	15-20	5/3	NA	NR								
17				NR								
18				NR								
19				NR								
20				NR								
21	20-25	5/4	NA	20.0								
22				20.0								
23				20.0								
24				20.0								
25				20.0								
26	25-30	5/4	NA	20.0								
27				20.0								
28				20.0								
29				20.0								
30				20.0								
31	30-35			20.0	End of boring							
32				20.0								
33				20.0								
34				20.0								
35				20.0								
36	35-40			20.0	VTX-7 sample collected (3.5-4.0') @ 09:30							
37				20.0								
38				20.0								
39				20.0								
40				20.0								
41	40-45			20.0	VTX-7 sample collected (17.5-18.0') @ 11:25							
42				20.0								
43				20.0								
44				20.0								
45				20.0								
46	45-50			20.0	VTX-7 sample collected (29.5-30.0') @ 11:35							
47				20.0								
48				20.0								
49				20.0								
50				20.0								
51	50-55			20.0	TW-7 sample collected @ 10:20							
52				20.0								
53				20.0								
54				20.0								
55				20.0								
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS			
%	Descriptor		Density	Blows (N)	Consistency	Blows (N)						
0 - 5 %	Trace		Very Loose	0 - 4	Very Soft	< 2			Screen			
5 - 15%	Little		Loose	4 - 10	Soft	2 - 4			Riser			
15 - 30%	Some		Medium Dense	10 - 30	Medium Stiff	4 - 8			Concrete			
30 - 50%	Modifier		Dense	30 - 50	Stiff	8 - 15			Bentonite			
>50%	In CAPs		Very Dense	>50	Very Stiff	15 - 30			Native			
Notes(s):					Hard		>30			Sand		
Boring was converted to a temporary well. Water in temporary well was very silty and turbid.												
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED						
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEA:	NA	SAND:	NA	SAND SIZE:	NA			
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA					
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA					
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA									

SOIL BORING / MONITORING WELL CONSTRUCTION LOG											
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York		PROJECT NO.: 52692		BORING NO.: TW-8					
		Date Start: 9/12/2018 Date Finish: 9/12/2018		DRILLER: Hawk- Mike; Nelson		WELL: NA					
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data			
TYPE: AMS 9500-VTR				NA		RISER ELEV.: 49.0'		Datum:			
SIZE (ID): 2				NA		DATE: 9/10/2018					
HAMMER (LB.): NA				NA		TIME: 14:25		Elevation (ft):			
FALL (IN.): NA				NA		DEPTH (ft): 45.0					
SAMPLE INFORMATION				SOIL DESCRIPTION				WELL CONST		WELL DETAILS	
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)							
1					Soil samples were not collected						
2											
3	0-5	5/3	NA								
4											
5											
6											
7											
8	5-10	5/4.5	NA								
9											
10											
11											
12											
13	10-15	5/2	NA								
14											
15											
16											
17											
18	15-20	5/5	NA								
19											
20											
21											
22											
23	20-25	5/3	NA								
24											
25											
26											
27											
28	25-30	5/5	NA								
29											
30											
31											
32											
33	30-35		NA								
34											
35											
36											
37											
38	35-40		NA								
39											
40											
41											
42											
43	40-45		NA								
44											
45											
46											
47											
48	45-50		NA								
49											
50											
51					TW-8 sample collected @ 12:55						
52											
53	50-55		NA								
54											
55											

DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS	
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)		
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2		Screen
5 - 15 %	Little	Loose	4 - 10	Soft	2 - 4		Riser
15 - 30 %	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8		Concrete
30 - 50 %	Modifier	Dense	30 - 50	Stiff	8 - 15		Bentonite
>50 %	In CAPs	Very Dense	>50	Very Stiff	15 - 30		Native Sand
Note(s):				Hard	>30		Grout

GROUNDWATER MONITORING WELL DATA				WELL MATERIALS USED			
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEAL:	NA	SAND:	NA
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA				

SOIL BORING / MONITORING WELL CONSTRUCTION LOG															
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018				PROJECT NO: 52692 DRILLER: Hawk-Mike, Nelson		BORING NO: VTX-9 WELL: NA							
		Date Finish: 9/13/2018				INSPECTOR: Wesley Swanson									
		SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data					
TYPE AMS 9500-VTR				NA		RISER ELEV.: NA		Datum:							
SIZE (ID) 2				NA		DATE: NA									
HAMMER (LB.) NA				NA		TIME: NA		Elevation (ft):							
FALL (IN.) NA				NA		DEPTH (ft): NA									
SAMPLE INFORMATION															
DEPTH / ELEV (ft)		Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (pgm)	SOIL DESCRIPTION				WELL CONST		WELL DETAILS			
1		0-5	5/2	NA	0.4	0.0-1.0': Sub-base and asphalt, black tar, concrete.									
0															
0															
0															
0															
2					0	1.0-7.0': Light yellow / brown sand, stones / cobbles, red and black stone chips.									
3					0										
4					0										
5					0										
6					0										
7					0	7.0-7.5': Black asphalt.									
8		5-10	5/4	NA	0										
9														0	
10														0	
11														0	
12						0									
13		10-15	5/3.5	NA	0	7.5-13.0': Yellow / light brown CFM sand, cobble mix.									
14														0	
15														0	
16														0	
17														0	
18		15-20				13.0-13.5': Black asphalt.									
19														0	
20														0	
20					0	13.5-15.0': Yellow / light brown CFM sand, cobble mix.									
16															
17															
18															
19						End of boring VTX-9 sample collected (4.0-4.5') @ 14:00									
20															
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS						
%		Descriptor			Density		Blows (N)		Consistency		Blows (N)				
0 - 5 %		Trace			Very Loose		0 - 4		Very Soft		<2		Screen		
5 - 15 %		Little			Loose		4 - 10		Soft		2 - 4		Riser		
15 - 30 %		Some			Medium Dense		10 - 30		Medium Stiff		4 - 8		Concrete		
30 - 50 %		Modifier			Dense		30 - 50		Stiff		8 - 15		Bentonite		
>50 %		In CAPs			Very Dense		>50		Very Stiff		15 - 30		Native		
Note(s):									Hard		>30		Sand		
													Grout		
GROUNDWATER MONITORING WELL DATA										WELL MATERIALS USED					
DEPTH (F.T.):		NA		SCREEN INTERVAL:		NA		BACKFILL OVER SEA:		NA		SAND:		NA	
DIA. (IN.):		NA		LENGTH OF RISER:		NA		SURFACE SEAL:		NA		BENTONITE:		NA	
MATERIAL:		NA		DEPTH/TYPE PACK:		NA		ROADBOX DESC.:		NA		CONCRETE:		NA	
SLOT SIZE:		NA		DEPTH/TYPE SEAL:		NA									

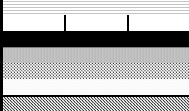
SOIL BORING / MONITORING WELL CONSTRUCTION LOG											
		PROJECT: Newsday		PROJECT NO.: 52692		BORING NO.: VTX-10					
		LOCATION: 235 Pinelawn Road Melville, New York		DRILLER: Hawk- Mike, Nelson		WELL: NA					
Date Start: 9/10/2018		Date Finish: 9/13/2018		INSPECTOR: Wesley Swanson							
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data			
TYPE	AMS 9500-VTR			NA	RISER ELEV.: 49.0'	Datum:					
SIZE (ID)	2			NA	DATE: 9/10/2018	Elevation (ft):					
HAMMER (LB.)	NA			NA	TIME: 10:55						
FALL (IN.)	NA			NA	DEPTH (ft): 40.0						
SAMPLE INFORMATION					SOIL DESCRIPTION		WELL CONST		WELL DETAILS		
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)							
1				0.0	0.0-2.0': Black asphalt, concrete fragments.						
2				0.0							
3	0-5	5/3	NA	0.0							
4				0.0							
5				0.0	2.0-7.0': Light brown / yellow CFM sand, slight black stained sand and faint odor @7.0'.						
6				0.0							
7				0.0							
8	5-10	5/4	NA	3.5							
9				0.0	7.0-11.0': Yellow coarse sand with rock fragments, trace fine brown sand.						
10				0.0							
11				0.0							
12				0.0							
13	10-15	5/4.5	NA	0.0	11.0-15.0': Coarse yellow, brown sand, trace fine brown sand.						
14				0.0							
15				0.0							
16				0.0							
17				0.0	15.0-17.0': Medium brown fine / medium sand						
18	15-20	5/5	NA	0.0							
19				0.0							
20				0.0							
21				0.0	17.0-30.0': Yellow / light brown CFM sand						
22				0.0							
23	20-25	5/5	NA	0.0							
24				0.0							
25				0.0							
26				0.0							
27				0.0							
28	25-30	5/5	NA	0.0							
29				0.0							
30				0.0							
31					End of boring						
32											
33	30-35										
34											
35											
36											
37											
38	35-40										
39											
40											
41											
42											
43	40-45										
44											
45											
46											
47											
48	45-50										
49											
49											
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS		
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)						
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2				Screen		
5 - 15 %	Little	Loose	4 - 10	Soft	2 - 4				Riser		
15 - 30 %	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8				Concrete		
30 - 50 %	Modifier	Dense	30 - 50	Stiff	8 - 15				Bentonite		
>50 %	In CAPs	Very Dense	>50	Very Stiff	15 - 30				Native Sand		
Note(s):					Hard	>30				Grout	
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED					
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEA	NA	SAND:	NA	SAND SIZE:	NA		
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA				
MATERIAL:	NA	DEPTH TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA				
SLOT SIZE:	NA	DEPTH TYPE SEAL:	NA								

SOIL BORING / MONITORING WELL CONSTRUCTION LOG											
		PROJECT: Newsday		PROJECT NO.: 52692		BORING NO.: TW-11					
		LOCATION: 235 Pinelawn Road		DRILLER: Hawk- Mike; Nelson		WELL: NA					
		Date Start: 9/10/2018		Date Finish: 9/13/2018		INSPECTOR: Wesley Swanson					
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data			
TYPE AMS 9500-VTR				NA		RISER ELEV.: 49.0'		Datum:			
SIZE (ID) 2				NA		DATE: 9/10/2018		Elevation (ft):			
HAMMER (LB.) NA				NA		TIME: 10:55					
FALL (IN.) NA				NA		DEPTH (ft): 45.0					
SAMPLE INFORMATION					SOIL DESCRIPTION				WELL CONST		WELL DETAILS
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)							
1	0-5				Soil samples were not collected						
2											
3											
4											
5											
6	5-10										
7											
8											
9											
10											
11	10-15										
12											
13											
14											
15											
16	15-20										
17											
18											
19											
20											
21	20-25										
22											
23											
24											
25											
26	25-30										
27											
28											
29											
30											
31	30-35										
32											
33											
34											
35											
36	35-40										
37											
38											
39											
40											
41	40-45										
42											
43											
44											
45											
46	45-49				TW-11 sample collected @ 12:00						
47											
48											
49											
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS					
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)					Screen	
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2					Riser	
5 - 15%	Little	Loose	4 - 10	Soft	2 - 4					Concrete	
15 - 30%	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8					Bentonite	
30 - 50%	Modifier	Dense	30 - 50	Stiff	8 - 15					Native	
>50%	In CAPs	Very Dense	>50	Very Stiff	15 - 30					Sand	
Note(s):				Hard		>30				Grout	
GROUNDWATER MONITORING WELL DATA											
DEPTH (FT.): NA		SCREEN INTERVAL: NA		BACKFILL OVER SEA: NA		SAND: NA		SAND SIZE: NA		NA	
DIA. (IN.): NA		LENGTH OF RISER: NA		SURFACE SEAL: NA		BENTONITE: NA					
MATERIAL: NA		DEPTH/TYPE PACK: NA		ROADBOX DESC.: NA		CONCRETE: NA					
SLOT SIZE: NA		DEPTH/TYPE SEAL: NA									

SOIL BORING / MONITORING WELL											
CONSTRUCTION LOG											
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York			PROJECT NO.: 52692		BORING NO.: TW-12				
		Date Start: 9/10/2018			Date Finish: 9/13/2018		DRILLER: Hawk-Mike, Nelson		WELL: NA		
							INSPECTOR: Wesley Swanson				
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS			GS Elevation Data		
TYPE: AMS 9500-VTR				NA		RISER ELEV.: 55.0'			Datum:		
SIZE (ID): 2				NA		DATE: 9/11/2018					
HAMMER (LB.): NA				NA		TIME: 14:10			Elevation (ft):		
FALL (IN.): NA				NA		DEPTH (ft): 45.0					
SAMPLE INFORMATION				SOIL DESCRIPTION				WELL CONST		WELL DETAILS	
Interval (ft) PEN / REC (ft) BLOWS/ft PID (ppm)											
1				Soil samples were not collected							
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
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21											
22											
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32											
33											
34											
35											
36											
37											
38											
39											
40											
41											
42											
43											
44											
45											
46											
47											
48											
49											
50											
51				TW-12 sample collected @ 14:10							
52											
53											
54											
55											
DESCRIPTION OF SOIL CONSTITUENTS				SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS			
% Descriptor				Density		Consistency					
0 - 5%				Very Loose		Very Soft					
5 - 15%				Loose		Soft					
15 - 30%				Some		Medium Stiff					
30 - 50%				Dense		Stiff					
>50%				Very Dense		Very Stiff					
In CAPs				>50		Hard					
Note(s):											
GROUNDWATER MONITORING WELL DATA								WELL MATERIALS USED			
DEPTH (FT.): NA								SAND: NA			
DIA. (IN.): NA								BENTONITE: NA			
MATERIAL: NA								CONCRETE: NA			
SLOT SIZE: NA											

SOIL BORING / MONITORING WELL CONSTRUCTION LOG											
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018 Date Finish: 9/13/2018				PROJECT NO.: 52692		BORING NO.: VTX-5		WELL: NA	
						DRILLER: Hawk-Mike, Nelson					
						INSPECTOR: Wesley Swanson					
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS			GS Elevation Data		
TYPE: AMS 9500-VTR				NA		RISER ELEV.: NA			Datum:		
SIZE (ID): 2				NA		DATE: NA					
HAMMER (LB.): NA				NA		TIME: NA			Elevation (ft):		
FALL (IN.): NA				NA		DEPTH (ft): NA					
SAMPLE INFORMATION				SOIL DESCRIPTION				WELL CONST		WELL DETAILS	
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)							
1			0		0.0-1.0': Black asphalt, crushed concrete						
2			0								
3	0-5	5/3	NA	0	1.0-5.0': Light / medium brown CFM sand, little red / black crushed rock.						
4			0								
5			0								
6					End of boring						
7											
8	5-10										
9											
10											
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS					
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)						
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	2				Screen		
5 - 15 %	Little	Loose	4 - 10	Soft	2 - 4				Riser		
15 - 30 %	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8				Concrete		
30 - 50 %	Modifier	Dense	30 - 50	Stiff	8 - 15				Bentonite		
>50 %	In CAPs	Very Dense	>50	Very Stiff	15 - 30				Native		
Note(s):				Hard	>30				Sand		
									Grout		
No grab sample collected, only composite.											
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED					
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEA:	NA	SAND:	NA	SAND SIZE:	NA		
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA				
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA				
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA								

SOIL BORING / MONITORING WELL CONSTRUCTION LOG										
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York			PROJECT NO.: 52692		BORING NO.: VTX-14			
		Date Start: 9/10/2018			Date Finish: 9/13/2018		DRILLER: Hawk- Mike; Nelson		WELL: NA	
							INSPECTOR: Wesley Swanson			
SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data		
TYPE: AMS 9500-VTR				NA		RISER ELEV.: 54.0'		Datum:		
SIZE (ID): 2				NA		DATE: 9/11/2018				
HAMMER (LB.): NA				NA		TIME: 14:40		Elevation (ft):		
FALL (IN.): NA				NA		DEPTH (ft): 44.0				
SAMPLE INFORMATION				SOIL DESCRIPTION				WELL CONST		WELL DETAILS
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/ft	PID (ppm)						
1	0-5	5/3	NA	N/A	0.0-1.0': Sub-base black asphalt, crushed concrete					
2				N/A						
3				N/A						
4				N/A						
5				N/A						
6	5-10	5/2	NA	N/A						
7				N/A						
8				N/A						
9				N/A						
10				N/A						
11	10-15	5/2	NA	N/A						
12				N/A						
13				N/A						
14				N/A						
15				N/A						
16	15-20	5/3	NA	N/A	1.0-30.0': Light brown / yellow COARSE sand, some fine -medium sand, stone and cobble mix.					
17				N/A						
18				N/A						
19				N/A						
20				N/A						
21	20-25	5/4	NA	N/A						
22				N/A						
23				N/A						
24				N/A						
25				N/A						
26	25-30	5/5	NA	N/A						
27				N/A						
28				N/A						
29				N/A						
30				N/A						
31	30-35				End of boring					
32				VTX-14 sample collected (29.5-30.0') @ 14:40						
33				TW-14 sample collected @ 15:50						
34										
35										
36	35-40									
37										
38										
39										
40										
41	40-45									
42										
43										
44										
45										
46	45-50									
47										
48										
49										
50										
51	50-54		NA							
52										
53										
54										
54										
DESCRIPTION OF SOIL CONSTITUENTS		SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS				
%	Descriptor	Density	Blows (N)	Consistency	Blows (N)				Screen	
0 - 5 %	Trace	Very Loose	0 - 4	Very Soft	<2				Riser	
5 - 15 %	Little	Loose	4 - 10	Soft	2 - 4				Concrete	
15 - 30 %	Some	Medium Dense	10 - 30	Medium Stiff	4 - 8				Bentonite	
30 - 50 %	Modifier	Dense	30 - 50	Stiff	8 - 15				Native	
>50 %	In CAPs	Very Dense	>50	Very Stiff	15 - 30				Sand	
Note(s):				Hard	>30				Grout	
Please note heavy rainfall occurred during this boring and no PID readings were collected. No staining or odors were present in the soils.										
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED				
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SEA:	NA	SAND:	NA	SAND SIZE:	NA	
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA			
MATERIAL:	NA	DEPTH TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA			
SLOT SIZE:	NA	DEPTH TYPE SEAL:	NA							

SOIL BORING / MONITORING WELL CONSTRUCTION LOG											
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018				PROJECT NO.: 52692 DRILLER: Hawk-Mike; Nelson		BORING NO.: VTX-15 WELL: NA		INSPECTOR: Wesley Swanson	
		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS				GS Elevation Data	
		TYPE: AMS 9500-VTR		NA		RISER ELEV.: NA		Datum:			
SIZE (ID): 2		NA		NA		DATE: NA					
HAMMER (LB.): NA		NA		NA		TIME: NA				Elevation (ft):	
FALL (IN.): NA		NA		NA		DEPTH (ft): NA					
SAMPLE INFORMATION					SOIL DESCRIPTION				WELL CONST		WELL DETAILS
DEPTH / ELEV (ft)	Interval (ft)	PEN / REC (ft)	BLOWS/6"	PID (ppm)							
1	0-5	5/2.5	NA	28.0	0.0-2.0': Sub-base black asphalt, concrete / stone mix.						
2				28.0							
3				0.0							
4				0.0							
5				0.0							
6	5-10	5/2.0	NA	0.0	2.0-12.5': Medium brown CFM sand, some cobbles, little fine yellow sand.						
7				0.0							
8				0.0							
9				0.0							
10				0.0							
11	10-15	5/4	NA	0.0	12.5-15.0': Cobbles / white crushed rock, light brown / yellow CFM beach sand.						
12				0.0							
13				0.0							
14				0.0							
15				0.0							
16	15-20				End of boring						
17											
18											
19											
20											
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)		CLAY (COHESIVE SOILS)		WELL CONSTRUCTION DETAILS		
%	Descriptor		Density	Blows (N)	Consistency	Blows (N)					
0 - 5 %	Trace		Very Loose	0 - 4	Very Soft	<2					
5 - 15%	Little		Loose	4 - 10	Soft	2 - 4					
15 - 30%	Some		Medium Dense	10 - 30	Medium Stiff	4 - 8					
30 - 50%	Modifier		Dense	30 - 50	Stiff	8 - 15					
>50%	In CAPs		Very Dense	>50	Very Stiff	15 - 30					
Note(s):							Hard		>30		
Observation boring. No samples collected.											
GROUNDWATER MONITORING WELL DATA						WELL MATERIALS USED					
DEPTH (FT.):	NA	SCREEN INTERVAL:	NA	BACKFILL OVER SE/	NA	SAND:	NA	SAND SIZE:	NA		
DIA. (IN.):	NA	LENGTH OF RISER:	NA	SURFACE SEAL:	NA	BENTONITE:	NA				
MATERIAL:	NA	DEPTH/TYPE PACK:	NA	ROADBOX DESC.:	NA	CONCRETE:	NA				
SLOT SIZE:	NA	DEPTH/TYPE SEAL:	NA								

SOIL BORING / MONITORING WELL CONSTRUCTION LOG															
		PROJECT: Newsday LOCATION: 235 Pinelawn Road Melville, New York Date Start: 9/10/2018				PROJECT NO.: 52692 DRILLER: Hawk- Mike; Nelson		BORING NO.: VTX-16 WELL: NA							
		Date Finish: 9/13/2018				INSPECTOR: Wesley Swanson									
		SAMPLER		CASING		CORE		GROUNDWATER DEPTH MEASUREMENTS		GS Elevation Data					
TYPE		AMS 9500-VTR				RISER ELEV.:		NA		Datum:					
SIZE (ID)		2				DATE:		NA							
HAMMER (LB.)		NA				TIME:		NA		Elevation (ft):					
FALL (IN.)		NA				DEPTH (ft):		NA							
SAMPLE INFORMATION					SOIL DESCRIPTION					WELL CONST		WELL DETAILS			
DEPTH / ELEV (ft)		Interval (ft)		PEN / REC (ft)		BLOWS/6"		PID (ppm)							
1						6.0				0.0-1.0': Sub-base black asphalt, concrete aggregate.					
2						0.7-2.7				1.0-3.0': Brown / black silty clay with black asphalt.					
3		0-5		5/3.5		NA		0.7-2.7							
4								0.7-2.7							
5								0.7-2.7		3.0-6.5': Light brown CFM sand, little stone / cobbles mix.					
6								0.7-2.7							
7								0.7-2.7		6.5-7.0': Dark black / brown silty sand.					
8		5-10		5/1.0		NA		0.7-2.7							
9								0.7-2.7							
10								0.7-2.7		7.0-12.5': Light brown CFM sand.					
11								0.7-2.7							
12								0.7-2.7							
13		10-15		5/5		NA		0.7-2.7		12.5-13.0': Dark black / dark brown silty sand, slight odor					
14								0.7-2.7							
15								0.7-2.7		13.0-15.0': Medium brown CFM sand.					
16										End of boring					
17										VTX-16 sample collected (12.5-13.0') @ 15:05					
18		15-20													
19															
20															
DESCRIPTION OF SOIL CONSTITUENTS					SAND AND GRAVEL (GRANULAR SOILS)			CLAY (COHESIVE SOILS)			WELL CONSTRUCTION DETAILS				
%		Descriptor			Density		Blows (N)		Consistency		Blows (N)				
0 - 5 %		Trace			Very Loose		0 - 4		Very Soft		<2				
5 - 15%		Little			Loose		4 - 10		Soft		2 - 4				
15 - 30%		Some			Medium Dense		10 - 30		Medium Stiff		4 - 8				
30 - 50%		Modifier			Dense		30 - 50		Stiff		8 - 15				
>50%		In CAPs			Very Dense		>50		Very Stiff		15 - 30				
Notes(s):									Hard		>30				
Please note background PID readings ranged from 0.7-2.7ppm during screening soil.															
GROUNDWATER MONITORING WELL DATA										WELL MATERIALS USED					
DEPTH (FT.):		NA		SCREEN INTERVAL:		NA		BACKFILL OVER SE/		NA		SAND:		NA	
DIA. (IN.):		NA		LENGTH OF RISER:		NA		SURFACE SEAL:		NA		BENTONITE:		NA	
MATERIAL:		NA		DEPTH/TYPE PACK:		NA		ROADBOX DESC.:		NA		CONCRETE:		NA	
SLOT SIZE:		NA		DEPTH/TYPE SEAL:		NA									

APPENDIX B

LABORATORY ANALYTICAL REPORTS



ANALYTICAL REPORT

Lab Number:	L1835720
Client:	The Vertex Companies, Inc. 3322 US Highway 22 West Suite 907 Branchburg, NJ 08876
ATTN:	Chris Cook
Phone:	(908) 333-4303
Project Name:	NEWSDAY
Project Number:	52692
Report Date:	09/17/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1835720-01	VTX-10	SOIL	MELVILLE, NY	09/10/18 10:00	09/10/18
L1835720-02	TW-10	WATER	MELVILLE, NY	09/10/18 10:55	09/10/18
L1835720-03	TW-11	WATER	MELVILLE, NY	09/10/18 12:00	09/10/18
L1835720-04	VTX-9	SOIL	MELVILLE, NY	09/10/18 14:00	09/10/18

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

Case Narrative (continued)

Report Submission

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

Volatile Organics

L1835720-04: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed from the client-supplied vials due to excessive sample weight. At the client's request, sample volume was taken from an unpreserved container and preserved appropriately. Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

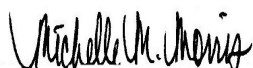
L1835720-01 and -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis. The WG1157642-1 Method Blank, associated with L1835720-01 and -04, has a concentration above the reporting limit for aluminum and iron. Since the associated sample concentrations are greater than 10x the blank concentration for these analytes, no corrective action is required.

Dissolved Metals

The WG1157245-3 MS recovery, performed on L1835720-03, is outside the acceptance criteria for aluminum (74%). A post digestion spike was performed and was within acceptance criteria. The WG1157245-3 MS recovery for iron (0%), performed on L1835720-03, does not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 09/17/18

ORGANICS

VOLATILES

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01
 Client ID: VTX-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/16/18 18:25
 Analyst: JC
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2.8	1.3	1
1,1-Dichloroethane	ND		ug/kg	0.55	0.08	1
Chloroform	ND		ug/kg	0.83	0.08	1
Carbon tetrachloride	ND		ug/kg	0.55	0.13	1
1,2-Dichloropropane	ND		ug/kg	0.55	0.07	1
Dibromochloromethane	ND		ug/kg	0.55	0.08	1
1,1,2-Trichloroethane	ND		ug/kg	0.55	0.15	1
Tetrachloroethene	ND		ug/kg	0.28	0.11	1
Chlorobenzene	ND		ug/kg	0.28	0.07	1
Trichlorofluoromethane	ND		ug/kg	2.2	0.38	1
1,2-Dichloroethane	ND		ug/kg	0.55	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	0.28	0.09	1
Bromodichloromethane	ND		ug/kg	0.28	0.06	1
trans-1,3-Dichloropropene	ND		ug/kg	0.55	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	0.28	0.09	1
1,3-Dichloropropene, Total	ND		ug/kg	0.28	0.09	1
1,1-Dichloropropene	ND		ug/kg	0.28	0.09	1
Bromoform	ND		ug/kg	2.2	0.14	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.28	0.09	1
Benzene	ND		ug/kg	0.28	0.09	1
Toluene	0.57		ug/kg	0.55	0.30	1
Ethylbenzene	ND		ug/kg	0.55	0.08	1
Chloromethane	ND		ug/kg	2.2	0.52	1
Bromomethane	ND		ug/kg	1.1	0.32	1
Vinyl chloride	ND		ug/kg	0.55	0.18	1
Chloroethane	ND		ug/kg	1.1	0.25	1
1,1-Dichloroethene	ND		ug/kg	0.55	0.13	1
trans-1,2-Dichloroethene	ND		ug/kg	0.83	0.08	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01
 Client ID: VTX-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.28	0.08	1
1,2-Dichlorobenzene	ND		ug/kg	1.1	0.08	1
1,3-Dichlorobenzene	ND		ug/kg	1.1	0.08	1
1,4-Dichlorobenzene	ND		ug/kg	1.1	0.10	1
Methyl tert butyl ether	ND		ug/kg	1.1	0.11	1
p/m-Xylene	ND		ug/kg	1.1	0.31	1
o-Xylene	ND		ug/kg	0.55	0.16	1
Xylenes, Total	ND		ug/kg	0.55	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.55	0.10	1
1,2-Dichloroethene, Total	ND		ug/kg	0.55	0.08	1
Dibromomethane	ND		ug/kg	1.1	0.13	1
Styrene	ND		ug/kg	0.55	0.11	1
Dichlorodifluoromethane	ND		ug/kg	5.5	0.51	1
Acetone	15		ug/kg	5.5	2.7	1
Carbon disulfide	ND		ug/kg	5.5	2.5	1
2-Butanone	ND		ug/kg	5.5	1.2	1
Vinyl acetate	ND		ug/kg	5.5	1.2	1
4-Methyl-2-pentanone	ND		ug/kg	5.5	0.71	1
1,2,3-Trichloropropane	ND		ug/kg	1.1	0.07	1
2-Hexanone	ND		ug/kg	5.5	0.65	1
Bromochloromethane	ND		ug/kg	1.1	0.11	1
2,2-Dichloropropane	ND		ug/kg	1.1	0.11	1
1,2-Dibromoethane	ND		ug/kg	0.55	0.15	1
1,3-Dichloropropane	ND		ug/kg	1.1	0.09	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.28	0.07	1
Bromobenzene	ND		ug/kg	1.1	0.08	1
n-Butylbenzene	ND		ug/kg	0.55	0.09	1
sec-Butylbenzene	ND		ug/kg	0.55	0.08	1
tert-Butylbenzene	ND		ug/kg	1.1	0.07	1
o-Chlorotoluene	ND		ug/kg	1.1	0.10	1
p-Chlorotoluene	ND		ug/kg	1.1	0.06	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.7	0.55	1
Hexachlorobutadiene	ND		ug/kg	2.2	0.09	1
Isopropylbenzene	ND		ug/kg	0.55	0.06	1
p-Isopropyltoluene	ND		ug/kg	0.55	0.06	1
Naphthalene	ND		ug/kg	2.2	0.36	1
Acrylonitrile	ND		ug/kg	2.2	0.64	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01
 Client ID: VTX-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.55	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.1	0.15	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.1	0.11	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.1	0.18	1
1,4-Dioxane	ND		ug/kg	55	19.	1
p-Diethylbenzene	0.20	J	ug/kg	1.1	0.10	1
p-Ethyltoluene	ND		ug/kg	1.1	0.21	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.1	0.10	1
Ethyl ether	ND		ug/kg	1.1	0.19	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.8	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02
 Client ID: TW-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:55
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/12/18 12:19
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02
 Client ID: TW-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:55
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02

Date Collected: 09/10/18 10:55

Client ID: TW-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	103		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03
 Client ID: TW-11
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 12:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/12/18 12:55
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03
 Client ID: TW-11
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 12:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	4.1	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03

Date Collected: 09/10/18 12:00

Client ID: TW-11

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-04
 Client ID: VTX-9
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 14:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/14/18 21:51
 Analyst: MKS
 Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	1.9	J	ug/kg	3.2	1.5	1
1,1-Dichloroethane	ND		ug/kg	0.64	0.09	1
Chloroform	ND		ug/kg	0.96	0.09	1
Carbon tetrachloride	ND		ug/kg	0.64	0.15	1
1,2-Dichloropropane	ND		ug/kg	0.64	0.08	1
Dibromochloromethane	ND		ug/kg	0.64	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.64	0.17	1
Tetrachloroethene	ND		ug/kg	0.32	0.12	1
Chlorobenzene	ND		ug/kg	0.32	0.08	1
Trichlorofluoromethane	ND		ug/kg	2.6	0.45	1
1,2-Dichloroethane	ND		ug/kg	0.64	0.16	1
1,1,1-Trichloroethane	ND		ug/kg	0.32	0.11	1
Bromodichloromethane	ND		ug/kg	0.32	0.07	1
trans-1,3-Dichloropropene	ND		ug/kg	0.64	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.32	0.10	1
1,3-Dichloropropene, Total	ND		ug/kg	0.32	0.10	1
1,1-Dichloropropene	ND		ug/kg	0.32	0.10	1
Bromoform	ND		ug/kg	2.6	0.16	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.32	0.11	1
Benzene	ND		ug/kg	0.32	0.11	1
Toluene	ND		ug/kg	0.64	0.35	1
Ethylbenzene	ND		ug/kg	0.64	0.09	1
Chloromethane	ND		ug/kg	2.6	0.60	1
Bromomethane	ND		ug/kg	1.3	0.37	1
Vinyl chloride	ND		ug/kg	0.64	0.22	1
Chloroethane	ND		ug/kg	1.3	0.29	1
1,1-Dichloroethene	ND		ug/kg	0.64	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	0.96	0.09	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-04
 Client ID: VTX-9
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 14:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.32	0.09	1
1,2-Dichlorobenzene	ND		ug/kg	1.3	0.09	1
1,3-Dichlorobenzene	ND		ug/kg	1.3	0.10	1
1,4-Dichlorobenzene	ND		ug/kg	1.3	0.11	1
Methyl tert butyl ether	ND		ug/kg	1.3	0.13	1
p/m-Xylene	ND		ug/kg	1.3	0.36	1
o-Xylene	ND		ug/kg	0.64	0.19	1
Xylenes, Total	ND		ug/kg	0.64	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	0.64	0.11	1
1,2-Dichloroethene, Total	ND		ug/kg	0.64	0.09	1
Dibromomethane	ND		ug/kg	1.3	0.15	1
Styrene	ND		ug/kg	0.64	0.12	1
Dichlorodifluoromethane	ND		ug/kg	6.4	0.59	1
Acetone	62		ug/kg	6.4	3.1	1
Carbon disulfide	ND		ug/kg	6.4	2.9	1
2-Butanone	ND		ug/kg	6.4	1.4	1
Vinyl acetate	ND		ug/kg	6.4	1.4	1
4-Methyl-2-pentanone	ND		ug/kg	6.4	0.82	1
1,2,3-Trichloropropane	ND		ug/kg	1.3	0.08	1
2-Hexanone	ND		ug/kg	6.4	0.76	1
Bromochloromethane	ND		ug/kg	1.3	0.13	1
2,2-Dichloropropane	ND		ug/kg	1.3	0.13	1
1,2-Dibromoethane	ND		ug/kg	0.64	0.18	1
1,3-Dichloropropane	ND		ug/kg	1.3	0.11	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.32	0.09	1
Bromobenzene	ND		ug/kg	1.3	0.09	1
n-Butylbenzene	ND		ug/kg	0.64	0.11	1
sec-Butylbenzene	ND		ug/kg	0.64	0.09	1
tert-Butylbenzene	ND		ug/kg	1.3	0.08	1
o-Chlorotoluene	ND		ug/kg	1.3	0.12	1
p-Chlorotoluene	ND		ug/kg	1.3	0.07	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.9	0.64	1
Hexachlorobutadiene	ND		ug/kg	2.6	0.11	1
Isopropylbenzene	ND		ug/kg	0.64	0.07	1
p-Isopropyltoluene	ND		ug/kg	0.64	0.07	1
Naphthalene	ND		ug/kg	2.6	0.42	1
Acrylonitrile	ND		ug/kg	2.6	0.74	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-04

Date Collected: 09/10/18 14:00

Client ID: VTX-9

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.64	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.3	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.3	0.12	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.3	0.21	1
1,4-Dioxane	ND		ug/kg	64	22.	1
p-Diethylbenzene	ND		ug/kg	1.3	0.11	1
p-Ethyltoluene	ND		ug/kg	1.3	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.3	0.12	1
Ethyl ether	0.23	J	ug/kg	1.3	0.22	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.2	0.91	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/12/18 09:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156117-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	0.74	J	ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/12/18 09:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156117-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/12/18 09:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156117-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1157389-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1157389-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 04 Batch: WG1157389-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/16/18 11:55
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1157537-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/16/18 11:55
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1157537-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/16/18 11:55
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1157537-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156117-3 WG1156117-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	96		94		63-130	2		20
1,1,2-Trichloroethane	100		98		70-130	2		20
Tetrachloroethene	98		95		70-130	3		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	97		100		62-150	3		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		110		67-130	10		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	81		79		54-136	3		20
1,1,2,2-Tetrachloroethane	96		95		67-130	1		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	120		120		64-130	0		20
Bromomethane	83		83		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156117-3 WG1156117-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	110		100		70-130	10		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	99		100		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	99		99		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	110		100		70-130	10		20
1,2,3-Trichloropropane	94		91		64-130	3		20
Acrylonitrile	100		100		70-130	0		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	120		120		36-147	0		20
Acetone	110		93		58-148	17		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	100		94		59-130	6		20
2-Hexanone	100		92		57-130	8		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156117-3 WG1156117-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	97		94		70-130	3		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		99		70-130	1		20
tert-Butylbenzene	96		99		70-130	3		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	75		78		41-144	4		20
Hexachlorobutadiene	94		100		63-130	6		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	73		78		70-130	7		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	60	Q	68	Q	70-130	13		20
1,2,4-Trichlorobenzene	93		97		70-130	4		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	76		92		56-162	19		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156117-3 WG1156117-4								
p-Ethyltoluene	99		100		70-130	1		20
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		103		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	100		105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1157389-3 WG1157389-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	92		90		70-130	2		30
Chloroform	94		92		70-130	2		30
Carbon tetrachloride	85		84		70-130	1		30
1,2-Dichloropropane	91		92		70-130	1		30
Dibromochloromethane	86		86		70-130	0		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	93		92		70-130	1		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	135		133		70-139	1		30
1,2-Dichloroethane	88		86		70-130	2		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	86		84		70-130	2		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	95		92		70-130	3		30
Bromoform	84		83		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	102		101		70-130	1		30
Toluene	104		103		70-130	1		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	79		93		52-130	16		30
Bromomethane	136		144		57-147	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1157389-3 WG1157389-4								
Vinyl chloride	110		107		67-130	3		30
Chloroethane	127		127		50-151	0		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	103		100		70-130	3		30
Methyl tert butyl ether	83		84		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	93		91		70-130	2		30
Dibromomethane	90		89		70-130	1		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	109		106		54-140	3		30
Carbon disulfide	88		86		59-130	2		30
2-Butanone	71		76		70-130	7		30
Vinyl acetate	75		73		70-130	3		30
4-Methyl-2-pentanone	93		93		70-130	0		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	84		82		70-130	2		30
Bromochloromethane	85		84		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1157389-3 WG1157389-4								
2,2-Dichloropropane	88		86		70-130	2		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	103		102		69-130	1		30
1,1,1,2-Tetrachloroethane	85		84		70-130	1		30
Bromobenzene	99		97		70-130	2		30
n-Butylbenzene	120		115		70-130	4		30
sec-Butylbenzene	113		110		70-130	3		30
tert-Butylbenzene	108		106		70-130	2		30
o-Chlorotoluene	110		109		70-130	1		30
p-Chlorotoluene	111		106		70-130	5		30
1,2-Dibromo-3-chloropropane	93		92		68-130	1		30
Hexachlorobutadiene	99		96		67-130	3		30
Isopropylbenzene	111		108		70-130	3		30
p-Isopropyltoluene	110		107		70-130	3		30
Naphthalene	101		100		70-130	1		30
Acrylonitrile	97		98		70-130	1		30
n-Propylbenzene	116		113		70-130	3		30
1,2,3-Trichlorobenzene	98		96		70-130	2		30
1,2,4-Trichlorobenzene	100		98		70-130	2		30
1,3,5-Trimethylbenzene	109		106		70-130	3		30
1,2,4-Trimethylbenzene	108		106		70-130	2		30
1,4-Dioxane	109		96		65-136	13		30
p-Diethylbenzene	111		109		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 04 Batch: WG1157389-3 WG1157389-4								
p-Ethyltoluene	112		109		70-130	3		30
1,2,4,5-Tetramethylbenzene	106		104		70-130	2		30
Ethyl ether	124		122		67-130	2		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	95		94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1157537-3 WG1157537-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	89		88		70-130	1		30
Chloroform	92		89		70-130	3		30
Carbon tetrachloride	84		83		70-130	1		30
1,2-Dichloropropane	89		87		70-130	2		30
Dibromochloromethane	84		84		70-130	0		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	91		90		70-130	1		30
Chlorobenzene	91		90		70-130	1		30
Trichlorofluoromethane	127		124		70-139	2		30
1,2-Dichloroethane	85		84		70-130	1		30
1,1,1-Trichloroethane	86		84		70-130	2		30
Bromodichloromethane	83		82		70-130	1		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	84		84		70-130	0		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	82		81		70-130	1		30
1,1,2,2-Tetrachloroethane	98		99		70-130	1		30
Benzene	98		96		70-130	2		30
Toluene	104		101		70-130	3		30
Ethylbenzene	102		101		70-130	1		30
Chloromethane	88		74		52-130	17		30
Bromomethane	126		121		57-147	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1157537-3 WG1157537-4								
Vinyl chloride	104		101		67-130	3		30
Chloroethane	116		112		50-151	4		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	91		90		70-130	1		30
Trichloroethene	88		85		70-130	3		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	100		98		70-130	2		30
1,4-Dichlorobenzene	98		97		70-130	1		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	96		95		70-130	1		30
o-Xylene	91		90		70-130	1		30
cis-1,2-Dichloroethene	91		89		70-130	2		30
Dibromomethane	88		88		70-130	0		30
Styrene	89		90		70-130	1		30
Dichlorodifluoromethane	87		83		30-146	5		30
Acetone	106		98		54-140	8		30
Carbon disulfide	86		84		59-130	2		30
2-Butanone	68	Q	68	Q	70-130	0		30
Vinyl acetate	73		73		70-130	0		30
4-Methyl-2-pentanone	92		91		70-130	1		30
1,2,3-Trichloropropane	98		99		68-130	1		30
2-Hexanone	82		80		70-130	2		30
Bromochloromethane	85		84		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1157537-3 WG1157537-4								
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	82		82		70-130	0		30
Bromobenzene	95		94		70-130	1		30
n-Butylbenzene	112		109		70-130	3		30
sec-Butylbenzene	108		105		70-130	3		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	105		102		70-130	3		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	88		93		68-130	6		30
Hexachlorobutadiene	97		95		67-130	2		30
Isopropylbenzene	105		103		70-130	2		30
p-Isopropyltoluene	105		102		70-130	3		30
Naphthalene	97		97		70-130	0		30
Acrylonitrile	93		91		70-130	2		30
n-Propylbenzene	109		107		70-130	2		30
1,2,3-Trichlorobenzene	97		95		70-130	2		30
1,2,4-Trichlorobenzene	99		96		70-130	3		30
1,3,5-Trimethylbenzene	103		101		70-130	2		30
1,2,4-Trimethylbenzene	103		101		70-130	2		30
1,4-Dioxane	87		90		65-136	3		30
p-Diethylbenzene	106		103		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1157537-3 WG1157537-4								
p-Ethyltoluene	107		104		70-130	3		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Ethyl ether	114		111		67-130	3		30
trans-1,4-Dichloro-2-butene	91		92		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		97		70-130
Toluene-d8	105		107		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	95		96		70-130

SEMIVOLATILES

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01
 Client ID: VTX-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 15:35
 Analyst: SZ
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/11/18 20:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	140	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01
 Client ID: VTX-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01

Date Collected: 09/10/18 10:00

Client ID: VTX-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	71		18-120

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02
 Client ID: TW-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:55
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/14/18 16:39
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	1.9	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02
 Client ID: TW-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:55
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	79		41-149

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02
 Client ID: TW-10
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 10:55
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/14/18 20:10
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.03	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.03	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.02	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**SAMPLE RESULTS**

Lab ID: L1835720-02

Date Collected: 09/10/18 10:55

Client ID: TW-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	87		41-149

Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**SAMPLE RESULTS**

Lab ID: L1835720-03
 Client ID: TW-11
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 12:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/14/18 17:07
 Analyst: CB

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.6	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	8.6		ug/l	5.0	1.3	1
Diethyl phthalate	0.55	J	ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03

Date Collected: 09/10/18 12:00

Client ID: TW-11

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	33		10-120
4-Terphenyl-d14	71		41-149

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03
 Client ID: TW-11
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 12:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/14/18 20:36
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.07	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.06	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.04	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	0.02	J	ug/l	0.10	0.01	1
Phenanthrene	0.07	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.03	J	ug/l	0.10	0.01	1
Pyrene	0.06	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**SAMPLE RESULTS**

Lab ID: L1835720-03

Date Collected: 09/10/18 12:00

Client ID: TW-11

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	42		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	90		41-149

Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**SAMPLE RESULTS**

Lab ID: L1835720-04
 Client ID: VTX-9
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 14:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 16:00
 Analyst: SZ
 Percent Solids: 95%

Extraction Method: EPA 3546
 Extraction Date: 09/11/18 20:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-04
 Client ID: VTX-9
 Sample Location: MELVILLE, NY

Date Collected: 09/10/18 14:00
 Date Received: 09/10/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**SAMPLE RESULTS**

Lab ID: L1835720-04

Date Collected: 09/10/18 14:00

Client ID: VTX-9

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	79		18-120

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/11/18 21:09
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 09/11/18 13:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1155677-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/11/18 21:09
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 09/11/18 13:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1155677-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/11/18 21:09
 Analyst: SZ

Extraction Method: EPA 3546
 Extraction Date: 09/11/18 13:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,04 Batch: WG1155677-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	79		18-120

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156372-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156372-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1156372-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	75		41-149

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/13/18 14:53
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-03 Batch: WG1156373-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/13/18 14:53
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02-03 Batch: WG1156373-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1155677-2 WG1155677-3								
Acenaphthene	66		70		31-137	6		50
1,2,4-Trichlorobenzene	64		66		38-107	3		50
Hexachlorobenzene	71		73		40-140	3		50
Bis(2-chloroethyl)ether	60		62		40-140	3		50
2-Chloronaphthalene	68		72		40-140	6		50
1,2-Dichlorobenzene	63		64		40-140	2		50
1,3-Dichlorobenzene	61		63		40-140	3		50
1,4-Dichlorobenzene	61		64		28-104	5		50
3,3'-Dichlorobenzidine	61		58		40-140	5		50
2,4-Dinitrotoluene	83		86		40-132	4		50
2,6-Dinitrotoluene	78		83		40-140	6		50
Fluoranthene	70		73		40-140	4		50
4-Chlorophenyl phenyl ether	68		71		40-140	4		50
4-Bromophenyl phenyl ether	70		75		40-140	7		50
Bis(2-chloroisopropyl)ether	63		66		40-140	5		50
Bis(2-chloroethoxy)methane	62		64		40-117	3		50
Hexachlorobutadiene	72		77		40-140	7		50
Hexachlorocyclopentadiene	72		77		40-140	7		50
Hexachloroethane	66		68		40-140	3		50
Isophorone	65		68		40-140	5		50
Naphthalene	63		66		40-140	5		50
Nitrobenzene	70		72		40-140	3		50
NDPA/DPA	68		72		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1155677-2 WG1155677-3								
n-Nitrosodi-n-propylamine	66		67		32-121	2		50
Bis(2-ethylhexyl)phthalate	77		81		40-140	5		50
Butyl benzyl phthalate	76		82		40-140	8		50
Di-n-butylphthalate	77		80		40-140	4		50
Di-n-octylphthalate	76		83		40-140	9		50
Diethyl phthalate	75		79		40-140	5		50
Dimethyl phthalate	72		76		40-140	5		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	68		72		40-140	6		50
Benzo(b)fluoranthene	71		68		40-140	4		50
Benzo(k)fluoranthene	62		72		40-140	15		50
Chrysene	65		69		40-140	6		50
Acenaphthylene	69		72		40-140	4		50
Anthracene	70		72		40-140	3		50
Benzo(ghi)perylene	66		71		40-140	7		50
Fluorene	67		72		40-140	7		50
Phenanthrene	68		69		40-140	1		50
Dibenzo(a,h)anthracene	66		69		40-140	4		50
Indeno(1,2,3-cd)pyrene	63		66		40-140	5		50
Pyrene	69		72		35-142	4		50
Biphenyl	70		74		54-104	6		50
4-Chloroaniline	51		54		40-140	6		50
2-Nitroaniline	76		81		47-134	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1155677-2 WG1155677-3								
3-Nitroaniline	62		63		26-129	2		50
4-Nitroaniline	62		68		41-125	9		50
Dibenzofuran	68		72		40-140	6		50
2-Methylnaphthalene	66		69		40-140	4		50
1,2,4,5-Tetrachlorobenzene	75		78		40-117	4		50
Acetophenone	67		69		14-144	3		50
2,4,6-Trichlorophenol	78		79		30-130	1		50
p-Chloro-m-cresol	78		81		26-103	4		50
2-Chlorophenol	66		70		25-102	6		50
2,4-Dichlorophenol	74		75		30-130	1		50
2,4-Dimethylphenol	74		77		30-130	4		50
2-Nitrophenol	72		74		30-130	3		50
4-Nitrophenol	88		97		11-114	10		50
2,4-Dinitrophenol	76		82		4-130	8		50
4,6-Dinitro-o-cresol	77		81		10-130	5		50
Pentachlorophenol	75		80		17-109	6		50
Phenol	61		62		26-90	2		50
2-Methylphenol	67		69		30-130	3		50
3-Methylphenol/4-Methylphenol	67		67		30-130	0		50
2,4,5-Trichlorophenol	79		80		30-130	1		50
Benzoic Acid	56		54		10-110	4		50
Benzyl Alcohol	72		73		40-140	1		50
Carbazole	69		73		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,04 Batch: WG1155677-2 WG1155677-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		68		25-120
Phenol-d6	65		68		10-120
Nitrobenzene-d5	72		74		23-120
2-Fluorobiphenyl	66		70		30-120
2,4,6-Tribromophenol	78		83		10-136
4-Terphenyl-d14	62		64		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156372-2 WG1156372-3								
Acenaphthene	66		82		37-111	22		30
1,2,4-Trichlorobenzene	60		76		39-98	24		30
Hexachlorobenzene	67		82		40-140	20		30
Bis(2-chloroethyl)ether	62		79		40-140	24		30
2-Chloronaphthalene	61		80		40-140	27		30
1,2-Dichlorobenzene	58		75		40-140	26		30
1,3-Dichlorobenzene	60		76		40-140	24		30
1,4-Dichlorobenzene	60		75		36-97	22		30
3,3'-Dichlorobenzidine	63		81		40-140	25		30
2,4-Dinitrotoluene	72		89		48-143	21		30
2,6-Dinitrotoluene	69		86		40-140	22		30
Fluoranthene	74		89		40-140	18		30
4-Chlorophenyl phenyl ether	68		84		40-140	21		30
4-Bromophenyl phenyl ether	67		84		40-140	23		30
Bis(2-chloroisopropyl)ether	64		80		40-140	22		30
Bis(2-chloroethoxy)methane	65		80		40-140	21		30
Hexachlorobutadiene	57		73		40-140	25		30
Hexachlorocyclopentadiene	56		71		40-140	24		30
Hexachloroethane	61		72		40-140	17		30
Isophorone	65		83		40-140	24		30
Naphthalene	60		77		40-140	25		30
Nitrobenzene	61		80		40-140	27		30
NDPA/DPA	68		87		40-140	25		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156372-2 WG1156372-3								
n-Nitrosodi-n-propylamine	67		86		29-132	25		30
Bis(2-ethylhexyl)phthalate	76		91		40-140	18		30
Butyl benzyl phthalate	69		84		40-140	20		30
Di-n-butylphthalate	70		84		40-140	18		30
Di-n-octylphthalate	76		88		40-140	15		30
Diethyl phthalate	75		87		40-140	15		30
Dimethyl phthalate	70		85		40-140	19		30
Benzo(a)anthracene	74		91		40-140	21		30
Benzo(a)pyrene	77		96		40-140	22		30
Benzo(b)fluoranthene	83		99		40-140	18		30
Benzo(k)fluoranthene	75		90		40-140	18		30
Chrysene	73		88		40-140	19		30
Acenaphthylene	64		82		45-123	25		30
Anthracene	69		89		40-140	25		30
Benzo(ghi)perylene	76		92		40-140	19		30
Fluorene	69		84		40-140	20		30
Phenanthrene	69		87		40-140	23		30
Dibenzo(a,h)anthracene	77		94		40-140	20		30
Indeno(1,2,3-cd)pyrene	74		92		40-140	22		30
Pyrene	69		87		26-127	23		30
Biphenyl	63		80		40-140	24		30
4-Chloroaniline	55		68		40-140	21		30
2-Nitroaniline	65		81		52-143	22		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156372-2 WG1156372-3								
3-Nitroaniline	70		86		25-145	21		30
4-Nitroaniline	71		84		51-143	17		30
Dibenzofuran	65		82		40-140	23		30
2-Methylnaphthalene	61		80		40-140	27		30
1,2,4,5-Tetrachlorobenzene	60		76		2-134	24		30
Acetophenone	63		80		39-129	29		30
2,4,6-Trichlorophenol	67		87		30-130	26		30
p-Chloro-m-cresol	72		92		23-97	24		30
2-Chlorophenol	65		80		27-123	21		30
2,4-Dichlorophenol	68		87		30-130	25		30
2,4-Dimethylphenol	67		85		30-130	24		30
2-Nitrophenol	65		87		30-130	29		30
4-Nitrophenol	73		75		10-80	3		30
2,4-Dinitrophenol	76		79		20-130	4		30
4,6-Dinitro-o-cresol	67		79		20-164	16		30
Pentachlorophenol	70		81		9-103	15		30
Phenol	49		61		12-110	22		30
2-Methylphenol	62		80		30-130	25		30
3-Methylphenol/4-Methylphenol	67		85		30-130	24		30
2,4,5-Trichlorophenol	72		86		30-130	18		30
Benzoic Acid	62		54		10-164	14		30
Benzyl Alcohol	65		77		26-116	17		30
Carbazole	75		92		55-144	20		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1156372-2 WG1156372-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		69		21-120
Phenol-d6	48		60		10-120
Nitrobenzene-d5	65		81		23-120
2-Fluorobiphenyl	61		79		15-120
2,4,6-Tribromophenol	73		88		10-120
4-Terphenyl-d14	70		83		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-03 Batch: WG1156373-2 WG1156373-3								
Acenaphthene	87		86		40-140	1		40
2-Chloronaphthalene	75		75		40-140	0		40
Fluoranthene	88		86		40-140	2		40
Hexachlorobutadiene	68		67		40-140	1		40
Naphthalene	74		73		40-140	1		40
Benzo(a)anthracene	90		86		40-140	5		40
Benzo(a)pyrene	87		79		40-140	10		40
Benzo(b)fluoranthene	97		89		40-140	9		40
Benzo(k)fluoranthene	92		87		40-140	6		40
Chrysene	92		87		40-140	6		40
Acenaphthylene	83		84		40-140	1		40
Anthracene	89		83		40-140	7		40
Benzo(ghi)perylene	82		77		40-140	6		40
Fluorene	90		89		40-140	1		40
Phenanthrene	85		82		40-140	4		40
Dibenzo(a,h)anthracene	85		80		40-140	6		40
Indeno(1,2,3-cd)pyrene	80		71		40-140	12		40
Pyrene	87		84		40-140	4		40
2-Methylnaphthalene	99		98		40-140	1		40
Pentachlorophenol	90		96		40-140	6		40
Hexachlorobenzene	78		76		40-140	3		40
Hexachloroethane	81		80		40-140	1		40

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02-03 Batch: WG1156373-2 WG1156373-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		56		21-120
Phenol-d6	54		54		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	76		75		15-120
2,4,6-Tribromophenol	85		83		10-120
4-Terphenyl-d14	77		74		41-149

METALS

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-01

Date Collected: 09/10/18 10:00

Client ID: VTX-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	932		mg/kg	7.98	2.16	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Antimony, Total	0.431	J	mg/kg	3.99	0.303	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Arsenic, Total	0.998		mg/kg	0.798	0.166	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Barium, Total	8.22		mg/kg	0.798	0.139	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Beryllium, Total	0.064	J	mg/kg	0.399	0.026	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Cadmium, Total	0.096	J	mg/kg	0.798	0.078	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Calcium, Total	3730		mg/kg	7.98	2.79	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Chromium, Total	13.8		mg/kg	0.798	0.077	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Cobalt, Total	1.26	J	mg/kg	1.60	0.132	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Copper, Total	3.42		mg/kg	0.798	0.206	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Iron, Total	4080		mg/kg	3.99	0.721	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Lead, Total	1.85	J	mg/kg	3.99	0.214	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Magnesium, Total	1870		mg/kg	7.98	1.23	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Manganese, Total	49.1		mg/kg	0.798	0.127	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.065	0.014	1	09/15/18 12:30	09/17/18 17:19	EPA 7471B	1,7471B	MG
Nickel, Total	2.98		mg/kg	2.00	0.193	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Potassium, Total	152	J	mg/kg	200	11.5	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.60	0.206	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.798	0.226	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Sodium, Total	40.9	J	mg/kg	160	2.51	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.60	0.251	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Vanadium, Total	4.49		mg/kg	0.798	0.162	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC
Zinc, Total	5.45		mg/kg	3.99	0.234	2	09/17/18 11:17	09/17/18 21:07	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02

Date Collected: 09/10/18 10:55

Client ID: TW-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	50.6		mg/l	0.0100	0.00327	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Antimony, Total	0.00194	J	mg/l	0.00400	0.00042	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02443		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Barium, Total	1.242		mg/l	0.00050	0.00017	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00835		mg/l	0.00050	0.00010	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00532		mg/l	0.00020	0.00005	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Calcium, Total	21.4		mg/l	0.100	0.0394	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Chromium, Total	0.4740		mg/l	0.00100	0.00017	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Cobalt, Total	0.02952		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Copper, Total	0.3191		mg/l	0.00100	0.00038	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Iron, Total	90.1		mg/l	0.0500	0.0191	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Lead, Total	0.1586		mg/l	0.00100	0.00034	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Magnesium, Total	12.3		mg/l	0.0700	0.0242	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Manganese, Total	1.202		mg/l	0.00100	0.00044	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Mercury, Total	0.00007	J	mg/l	0.00020	0.00006	1	09/11/18 12:13	09/11/18 22:49	EPA 7470A	1,7470A	EA
Nickel, Total	0.09035		mg/l	0.00200	0.00055	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Potassium, Total	18.0		mg/l	0.100	0.0309	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Selenium, Total	0.0170		mg/l	0.00500	0.00173	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Silver, Total	0.05928		mg/l	0.00040	0.00016	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Sodium, Total	38.9		mg/l	0.100	0.0293	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Thallium, Total	0.00069		mg/l	0.00050	0.00014	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Vanadium, Total	0.06920		mg/l	0.00500	0.00157	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Zinc, Total	0.6372		mg/l	0.01000	0.00341	1	09/14/18 11:43	09/17/18 14:25	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.324		mg/l	0.0100	0.00327	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00444		mg/l	0.00400	0.00042	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00183		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.01042		mg/l	0.00050	0.00017	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-02

Date Collected: 09/10/18 10:55

Client ID: TW-10

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.00007	J	mg/l	0.00020	0.00005	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Calcium, Dissolved	11.6		mg/l	0.100	0.0394	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00391		mg/l	0.00100	0.00017	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00278		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.01380		mg/l	0.00100	0.00038	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.956		mg/l	0.0500	0.0191	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00139		mg/l	0.00100	0.00034	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	5.60		mg/l	0.0700	0.0242	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.2268		mg/l	0.00100	0.00044	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/13/18 16:17	09/14/18 20:29	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.01040		mg/l	0.00200	0.00055	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Potassium, Dissolved	11.8		mg/l	0.100	0.0309	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Silver, Dissolved	0.00070		mg/l	0.00040	0.00016	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Sodium, Dissolved	44.3		mg/l	0.100	0.0293	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Thallium, Dissolved	0.00016	J	mg/l	0.00050	0.00014	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00158	J	mg/l	0.00500	0.00157	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00695	J	mg/l	0.01000	0.00341	1	09/15/18 09:45	09/17/18 12:20	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03

Date Collected: 09/10/18 12:00

Client ID: TW-11

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	18.5		mg/l	0.0100	0.00327	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Antimony, Total	0.00166	J	mg/l	0.00400	0.00042	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Arsenic, Total	0.01470		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Barium, Total	0.2765		mg/l	0.00050	0.00017	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00178		mg/l	0.00050	0.00010	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00041		mg/l	0.00020	0.00005	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Calcium, Total	14.0		mg/l	0.100	0.0394	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Chromium, Total	0.3563		mg/l	0.00100	0.00017	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Cobalt, Total	0.02340		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Copper, Total	0.1078		mg/l	0.00100	0.00038	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Iron, Total	68.8		mg/l	0.0500	0.0191	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Lead, Total	0.04555		mg/l	0.00100	0.00034	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Magnesium, Total	4.83		mg/l	0.0700	0.0242	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Manganese, Total	1.829		mg/l	0.00100	0.00044	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/11/18 12:13	09/11/18 22:51	EPA 7470A	1,7470A	EA
Nickel, Total	0.07083		mg/l	0.00200	0.00055	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Potassium, Total	6.39		mg/l	0.100	0.0309	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Selenium, Total	0.00626		mg/l	0.00500	0.00173	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Silver, Total	0.00371		mg/l	0.00040	0.00016	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Sodium, Total	27.1		mg/l	0.100	0.0293	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Thallium, Total	0.00029	J	mg/l	0.00050	0.00014	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Vanadium, Total	0.04235		mg/l	0.00500	0.00157	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Zinc, Total	0.1004		mg/l	0.01000	0.00341	1	09/14/18 11:43	09/17/18 14:29	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	1.31		mg/l	0.0100	0.00327	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00208	J	mg/l	0.00400	0.00042	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00155		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.02302		mg/l	0.00050	0.00017	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	0.00010	J	mg/l	0.00050	0.00010	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-03

Date Collected: 09/10/18 12:00

Client ID: TW-11

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Calcium, Dissolved	11.5		mg/l	0.100	0.0394	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.02180		mg/l	0.00100	0.00017	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00524		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00785		mg/l	0.00100	0.00038	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Iron, Dissolved	4.35		mg/l	0.0500	0.0191	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Lead, Dissolved	0.00224		mg/l	0.00100	0.00034	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	1.50		mg/l	0.0700	0.0242	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.040		mg/l	0.00100	0.00044	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/13/18 16:17	09/14/18 20:24	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.01216		mg/l	0.00200	0.00055	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Potassium, Dissolved	4.43		mg/l	0.100	0.0309	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Silver, Dissolved	0.00027	J	mg/l	0.00040	0.00016	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Sodium, Dissolved	28.9		mg/l	0.100	0.0293	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	0.00244	J	mg/l	0.00500	0.00157	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00801	J	mg/l	0.01000	0.00341	1	09/15/18 09:45	09/17/18 11:35	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

SAMPLE RESULTS

Lab ID: L1835720-04

Date Collected: 09/10/18 14:00

Client ID: VTX-9

Date Received: 09/10/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1100		mg/kg	8.31	2.24	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Antimony, Total	0.324	J	mg/kg	4.16	0.316	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Arsenic, Total	1.54		mg/kg	0.831	0.173	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Barium, Total	2.54		mg/kg	0.831	0.145	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Beryllium, Total	0.083	J	mg/kg	0.416	0.027	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.831	0.082	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Calcium, Total	138		mg/kg	8.31	2.91	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Chromium, Total	2.79		mg/kg	0.831	0.080	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Cobalt, Total	1.15	J	mg/kg	1.66	0.138	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Copper, Total	1.45		mg/kg	0.831	0.214	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Iron, Total	2660		mg/kg	4.16	0.751	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Lead, Total	1.16	J	mg/kg	4.16	0.223	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Magnesium, Total	409		mg/kg	8.31	1.28	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Manganese, Total	52.1		mg/kg	0.831	0.132	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.066	0.014	1	09/15/18 12:30	09/17/18 17:21	EPA 7471B	1,7471B	MG
Nickel, Total	1.97	J	mg/kg	2.08	0.201	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Potassium, Total	161	J	mg/kg	208	12.0	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.66	0.214	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.831	0.235	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Sodium, Total	15.5	J	mg/kg	166	2.62	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.66	0.262	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Vanadium, Total	2.50		mg/kg	0.831	0.169	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC
Zinc, Total	4.27		mg/kg	4.16	0.244	2	09/17/18 11:17	09/17/18 21:11	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1155625-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/11/18 12:13	09/11/18 22:25	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1156642-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/13/18 16:17	09/14/18 20:16	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1156917-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Antimony, Total	0.00109	J	mg/l	0.00400	0.00042	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Selenium, Total	ND	mg/l	0.00500	0.00173	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Silver, Total	ND	mg/l	0.00040	0.00016	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Sodium, Total	ND	mg/l	0.100	0.0293	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Thallium, Total	ND	mg/l	0.00050	0.00014	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Vanadium, Total	ND	mg/l	0.00500	0.00157	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM
Zinc, Total	ND	mg/l	0.01000	0.00341	1	09/14/18 11:43	09/17/18 14:01	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02-03 Batch: WG1157245-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Antimony, Dissolved	0.00077	J	mg/l	0.00400	0.00042	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Iron, Dissolved	0.0421	J	mg/l	0.0500	0.0191	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/15/18 09:45	09/17/18 09:43	1,6020B	AM

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04 Batch: WG1157282-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	09/15/18 12:30	09/17/18 16:27	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,04 Batch: WG1157642-1										
Aluminum, Total	22.6		mg/kg	4.00	1.08	1	09/17/18 11:17	09/17/18 20:33	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Calcium, Total	2.00	J	mg/kg	4.00	1.40	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Copper, Total	0.188	J	mg/kg	0.400	0.103	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Iron, Total	14.2		mg/kg	2.00	0.361	1	09/17/18 11:17	09/17/18 20:33	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Manganese, Total	0.244	J	mg/kg	0.400	0.064	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

**Method Blank Analysis
Batch Quality Control**

Zinc, Total	0.132	J	mg/kg	2.00	0.117	1	09/17/18 11:17	09/17/18 18:34	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1155625-2								
Mercury, Total	104		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1156642-2								
Mercury, Dissolved	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1156917-2					
Aluminum, Total	109	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	94	-	80-120	-	
Barium, Total	108	-	80-120	-	
Beryllium, Total	110	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	99	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	110	-	80-120	-	
Lead, Total	98	-	80-120	-	
Magnesium, Total	105	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835720**Report Date:** 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1156917-2					
Zinc, Total	117	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1157245-2					
Aluminum, Dissolved	114	-	80-120	-	
Antimony, Dissolved	111	-	80-120	-	
Arsenic, Dissolved	113	-	80-120	-	
Barium, Dissolved	112	-	80-120	-	
Beryllium, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	117	-	80-120	-	
Calcium, Dissolved	112	-	80-120	-	
Chromium, Dissolved	106	-	80-120	-	
Cobalt, Dissolved	109	-	80-120	-	
Copper, Dissolved	105	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	115	-	80-120	-	
Magnesium, Dissolved	112	-	80-120	-	
Manganese, Dissolved	106	-	80-120	-	
Nickel, Dissolved	110	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	115	-	80-120	-	
Silver, Dissolved	107	-	80-120	-	
Sodium, Dissolved	108	-	80-120	-	
Thallium, Dissolved	111	-	80-120	-	
Vanadium, Dissolved	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 Batch: WG1157245-2					
Zinc, Dissolved	115	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01,04 Batch: WG1157282-2 SRM Lot Number: D102-540					
Mercury, Total	104	-	65-134	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04 Batch: WG1157642-2 SRM Lot Number: D102-540					
Aluminum, Total	63	-	49-150	-	
Antimony, Total	144	-	1-199	-	
Arsenic, Total	87	-	83-117	-	
Barium, Total	84	-	83-118	-	
Beryllium, Total	87	-	83-116	-	
Cadmium, Total	89	-	83-118	-	
Calcium, Total	83	-	82-118	-	
Chromium, Total	88	-	83-117	-	
Cobalt, Total	86	-	84-116	-	
Copper, Total	86	-	84-116	-	
Iron, Total	80	-	61-139	-	
Lead, Total	86	-	82-118	-	
Magnesium, Total	76	-	76-124	-	
Manganese, Total	84	-	82-118	-	
Nickel, Total	86	-	83-117	-	
Potassium, Total	77	-	70-130	-	
Selenium, Total	91	-	79-121	-	
Silver, Total	88	-	80-120	-	
Sodium, Total	92	-	74-126	-	
Thallium, Total	87	-	81-119	-	
Vanadium, Total	86	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835720**Report Date:** 09/17/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04 Batch: WG1157642-2 SRM Lot Number: D102-540					
Zinc, Total	88	-	81-118	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1155625-3 WG1155625-4 QC Sample: L1835785-03 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00495	99		0.00482	96		75-125	3		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1156642-3 QC Sample: L1835720-03 Client ID: TW-11												
Mercury, Dissolved	ND	0.005	0.00467	93		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03			QC Batch ID: WG1156917-3		QC Sample: L1835688-01		Client ID: MS Sample		
Aluminum, Total	0.276	2	2.41	107	-	-	75-125	-	20
Antimony, Total	0.0016J	0.5	0.5578	112	-	-	75-125	-	20
Arsenic, Total	0.0008	0.12	0.1348	112	-	-	75-125	-	20
Barium, Total	0.0344	2	2.144	105	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05395	108	-	-	75-125	-	20
Cadmium, Total	0.0001J	0.051	0.05780	113	-	-	75-125	-	20
Calcium, Total	45.0	10	53.7	87	-	-	75-125	-	20
Chromium, Total	0.0015	0.2	0.1928	96	-	-	75-125	-	20
Cobalt, Total	0.0003J	0.5	0.4826	96	-	-	75-125	-	20
Copper, Total	0.0049	0.25	0.2396	94	-	-	75-125	-	20
Iron, Total	0.467	1	1.46	99	-	-	75-125	-	20
Lead, Total	0.00157	0.51	0.5980	117	-	-	75-125	-	20
Magnesium, Total	70.4	10	81.5	111	-	-	75-125	-	20
Manganese, Total	0.0255	0.5	0.5245	100	-	-	75-125	-	20
Nickel, Total	0.0010J	0.5	0.4762	95	-	-	75-125	-	20
Potassium, Total	25.8	10	35.2	94	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.140	117	-	-	75-125	-	20
Silver, Total	ND	0.05	0.04968	99	-	-	75-125	-	20
Sodium, Total	528.	10	513	0	Q	-	75-125	-	20
Thallium, Total	ND	0.12	0.1374	114	-	-	75-125	-	20
Vanadium, Total	0.0017J	0.5	0.4982	100	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02-03			QC Batch ID: WG1156917-3		QC Sample: L1835688-01		Client ID: MS Sample		
Zinc, Total	0.02214	0.5	0.5616	108	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1157245-3 QC Sample: L1835720-03 Client ID: TW-11									
Aluminum, Dissolved	1.31	2	2.80	74	Q	-	75-125	-	20
Antimony, Dissolved	0.00208J	0.5	0.5216	104	-	-	75-125	-	20
Arsenic, Dissolved	0.00155	0.12	0.1295	107	-	-	75-125	-	20
Barium, Dissolved	0.02302	2	2.060	102	-	-	75-125	-	20
Beryllium, Dissolved	0.00010J	0.05	0.05404	108	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05812	114	-	-	75-125	-	20
Calcium, Dissolved	11.5	10	21.0	95	-	-	75-125	-	20
Chromium, Dissolved	0.02180	0.2	0.2079	93	-	-	75-125	-	20
Cobalt, Dissolved	0.00524	0.5	0.4983	99	-	-	75-125	-	20
Copper, Dissolved	0.00785	0.25	0.2517	98	-	-	75-125	-	20
Iron, Dissolved	4.35	1	3.81	0	Q	-	75-125	-	20
Lead, Dissolved	0.00224	0.51	0.5645	110	-	-	75-125	-	20
Magnesium, Dissolved	1.50	10	11.6	101	-	-	75-125	-	20
Manganese, Dissolved	1.040	0.5	1.470	86	-	-	75-125	-	20
Nickel, Dissolved	0.01216	0.5	0.5060	99	-	-	75-125	-	20
Potassium, Dissolved	4.43	10	14.0	96	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.143	119	-	-	75-125	-	20
Silver, Dissolved	0.00027J	0.05	0.04967	99	-	-	75-125	-	20
Sodium, Dissolved	28.9	10	38.6	97	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1287	107	-	-	75-125	-	20
Vanadium, Dissolved	0.00244J	0.5	0.4897	98	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1157245-3 QC Sample: L1835720-03 Client ID: TW-11									
Zinc, Dissolved	0.00801J	0.5	0.5482	110	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG1157282-3 WG1157282-4 QC Sample: L1835195-11 Client ID: MS Sample									
Mercury, Total	0.079	0.153	0.276	128	Q	0.239	104	14	20
Total Metals - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG1157282-5 WG1157282-6 QC Sample: L1835738-01 Client ID: MS Sample									
Mercury, Total	0.578	0.157	0.967	248	Q	0.713	85	30	Q 20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,04 QC Batch ID: WG1157642-3 WG1157642-4 QC Sample: L1835195-11 Client ID: MS Sample											
Aluminum, Total	1890	186	1880	0	Q	2300	224	Q	75-125	20	20
Antimony, Total	0.500J	46.6	42.6	91		43.2	94		75-125	1	20
Arsenic, Total	3.29	11.2	13.5	91		13.3	91		75-125	1	20
Barium, Total	29.2	186	211	98		198	92		75-125	6	20
Beryllium, Total	ND	4.66	4.35	93		4.27	93		75-125	2	20
Cadmium, Total	0.288J	4.75	5.05	106		4.97	107		75-125	2	20
Calcium, Total	4760	932	5010	27	Q	14900	1110	Q	75-125	99	Q 20
Chromium, Total	10.2	18.6	25.5	82		24.5	78		75-125	4	20
Cobalt, Total	1.64J	46.6	45.1	97		44.4	97		75-125	2	20
Copper, Total	54.2	23.3	40.2	0	Q	40.0	0	Q	75-125	0	20
Iron, Total	5020	93.2	4260	0	Q	4100	0	Q	75-125	4	20
Lead, Total	62.8	47.5	103	84		90.5	59	Q	75-125	13	20
Magnesium, Total	1040	932	1740	75		1940	98		75-125	11	20
Manganese, Total	42.7	46.6	80.6	81		84.6	92		75-125	5	20
Nickel, Total	5.53	46.6	47.3	90		46.4	89		75-125	2	20
Potassium, Total	388.	932	1320	100		1310	101		75-125	1	20
Selenium, Total	ND	11.2	10.9	97		11.0	100		75-125	1	20
Silver, Total	ND	28	28.6	102		28.1	102		75-125	2	20
Sodium, Total	126.J	932	1100	118		1050	115		75-125	5	20
Thallium, Total	ND	11.2	10.3	92		10.2	93		75-125	1	20
Vanadium, Total	9.66	46.6	54.4	96		54.1	97		75-125	1	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Mansfield Lab Associated sample(s): 01,04			QC Batch ID: WG1157642-3		WG1157642-4	QC Sample: L1835195-11		Client ID: MS Sample			
Zinc, Total	61.5	46.6	94.8	71	Q	88.9	60	Q	75-125	6	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1156642-4 QC Sample: L1835720-03 Client ID: TW-11						
Mercury, Dissolved	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1156917-4 QC Sample: L1835688-01 Client ID: DUP Sample						
Aluminum, Total	0.276	0.249	mg/l	10		20
Iron, Total	0.467	0.460	mg/l	2		20
Lead, Total	0.00157	0.00160	mg/l	2		20
Zinc, Total	0.02214	0.02193	mg/l	1		20

Project Name: NEWSDAY
Project Number: 52692

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1835720
Report Date: 09/17/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1157245-4 QC Sample: L1835720-03 Client ID: TW-11					
Aluminum, Dissolved	1.31	1.14	mg/l	14	20
Antimony, Dissolved	0.00208J	0.00414	mg/l	NC	20
Arsenic, Dissolved	0.00155	0.00131	mg/l	17	20
Barium, Dissolved	0.02302	0.02199	mg/l	5	20
Beryllium, Dissolved	0.00010J	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	11.5	11.5	mg/l	0	20
Chromium, Dissolved	0.02180	0.02036	mg/l	7	20
Cobalt, Dissolved	0.00524	0.00517	mg/l	1	20
Copper, Dissolved	0.00785	0.00730	mg/l	7	20
Iron, Dissolved	4.35	3.87	mg/l	12	20
Lead, Dissolved	0.00224	0.00208	mg/l	7	20
Magnesium, Dissolved	1.50	1.42	mg/l	5	20
Manganese, Dissolved	1.040	1.027	mg/l	1	20
Nickel, Dissolved	0.01216	0.01159	mg/l	5	20
Potassium, Dissolved	4.43	4.46	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	0.00027J	0.00024J	mg/l	NC	20
Sodium, Dissolved	28.9	28.5	mg/l	1	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835720

Report Date: 09/17/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1157245-4 QC Sample: L1835720-03 Client ID: TW-11					
Thallium, Dissolved	ND	0.00017J	mg/l	NC	20
Vanadium, Dissolved	0.00244J	0.00217J	mg/l	NC	20
Zinc, Dissolved	0.00801J	0.00644J	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835720**Report Date:** 09/17/18**SAMPLE RESULTS****Lab ID:** L1835720-01**Client ID:** VTX-10**Sample Location:** MELVILLE, NY**Date Collected:** 09/10/18 10:00**Date Received:** 09/10/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.1		%	0.100	NA	1	-	09/11/18 12:47	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835720**Report Date:** 09/17/18**SAMPLE RESULTS****Lab ID:** L1835720-04**Client ID:** VTX-9**Sample Location:** MELVILLE, NY**Date Collected:** 09/10/18 14:00**Date Received:** 09/10/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	09/11/18 12:47	121,2540G	AM



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835720**Report Date:** 09/17/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,04 QC Batch ID: WG1155661-1 QC Sample: L1835736-02 Client ID: DUP Sample						
Solids, Total	92.9	93.5	%	1		20

Project Name: NEWSDAY
Project Number: 52692

Serial_No:09171822:05
Lab Number: L1835720
Report Date: 09/17/18

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835720-01A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1835720-01B	Vial water preserved	A	NA		4.2	Y	Absent	11-SEP-18 05:41	NYTCL-8260HLW(14)
L1835720-01C	Vial water preserved	A	NA		4.2	Y	Absent	11-SEP-18 05:41	NYTCL-8260HLW(14)
L1835720-01D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1835720-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1835720-01F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14)
L1835720-02A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-02B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-02C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-02D	Plastic 250ml unpreserved	A	7	7	4.2	Y	Absent		-
L1835720-02E	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1835720-02F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1835720-02G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09171822:05
Lab Number: L1835720
Report Date: 09/17/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835720-02X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1835720-03A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-03B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-03C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L1835720-03D	Plastic 250ml unpreserved	A	7	7	4.2	Y	Absent		-
L1835720-03E	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1835720-03F	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1835720-03G	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1835720-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		4.2	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1835720-04A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1835720-04B	Vial water preserved	A	NA		4.2	Y	Absent	11-SEP-18 05:41	NYTCL-8260HLW(14)
L1835720-04C	Vial water preserved	A	NA		4.2	Y	Absent	11-SEP-18 05:41	NYTCL-8260HLW(14)
L1835720-04D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L1835720-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Project Name: NEWSDAY
Project Number: 52692

Serial_No:09171822:05
Lab Number: L1835720
Report Date: 09/17/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835720-04F	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14)
L1835720-04X	Vial Water preserved split	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L1835720-04Y	Vial Water preserved split	A	NA		4.2	Y	Absent	15-SEP-18 14:19	NYTCL-8260HLW(14)

Project Name: NEWSDAY

Lab Number: L1835720

Project Number: 52692

Report Date: 09/17/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY**Lab Number:** L1835720**Project Number:** 52692**Report Date:** 09/17/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835720
Report Date: 09/17/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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

[illegible]

JOB: L1835942 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK



ANALYTICAL REPORT

Lab Number:	L1835942
Client:	The Vertex Companies, Inc. 3322 US Highway 22 West Suite 907 Branchburg, NJ 08876
ATTN:	Chris Cook
Phone:	(908) 333-4303
Project Name:	NEWSDAY
Project Number:	52692
Report Date:	09/18/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1835942-01	VTX-7	SOIL	MELVILLE, NY	09/11/18 09:30	09/11/18
L1835942-02	TW-7	WATER	MELVILLE, NY	09/11/18 10:20	09/11/18
L1835942-03	VTX-7 (17.5-18.0)	SOIL	MELVILLE, NY	09/11/18 11:25	09/11/18
L1835942-04	VTX-7 (29.5-30.0)	SOIL	MELVILLE, NY	09/11/18 11:35	09/11/18
L1835942-05	TW-12	WATER	MELVILLE, NY	09/11/18 14:10	09/11/18
L1835942-06	VTX-14	SOIL	MELVILLE, NY	09/11/18 14:40	09/11/18

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

Case Narrative (continued)

Report Submission

September 18, 2018: This is a preliminary report.

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

Volatile Organics

L1835942-03: The analysis of Volatile Organics by EPA Method 5035/8260 Low Level could not be performed from the client-supplied vials due to excessive sample weight. At the client's request, sample volume was taken from an unpreserved container and preserved appropriately. Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Total Metals

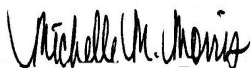
L1835942-01, -03 and -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

The WG1157247-3 MS recovery, performed on L1835942-02, is outside the acceptance criteria for iron (135%). A post digestion spike was performed and was within acceptance criteria.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 09/18/18

ORGANICS

VOLATILES

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-01
 Client ID: VTX-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 09:30
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/14/18 19:33
 Analyst: MKS
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2.1	0.98	1
1,1-Dichloroethane	ND		ug/kg	0.43	0.06	1
Chloroform	ND		ug/kg	0.64	0.06	1
Carbon tetrachloride	ND		ug/kg	0.43	0.10	1
1,2-Dichloropropane	ND		ug/kg	0.43	0.05	1
Dibromochloromethane	ND		ug/kg	0.43	0.06	1
1,1,2-Trichloroethane	ND		ug/kg	0.43	0.11	1
Tetrachloroethene	ND		ug/kg	0.21	0.08	1
Chlorobenzene	ND		ug/kg	0.21	0.05	1
Trichlorofluoromethane	ND		ug/kg	1.7	0.30	1
1,2-Dichloroethane	ND		ug/kg	0.43	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.21	0.07	1
Bromodichloromethane	ND		ug/kg	0.21	0.05	1
trans-1,3-Dichloropropene	ND		ug/kg	0.43	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	0.21	0.07	1
1,3-Dichloropropene, Total	ND		ug/kg	0.21	0.07	1
1,1-Dichloropropene	ND		ug/kg	0.21	0.07	1
Bromoform	ND		ug/kg	1.7	0.10	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.21	0.07	1
Benzene	ND		ug/kg	0.21	0.07	1
Toluene	ND		ug/kg	0.43	0.23	1
Ethylbenzene	ND		ug/kg	0.43	0.06	1
Chloromethane	ND		ug/kg	1.7	0.40	1
Bromomethane	ND		ug/kg	0.86	0.25	1
Vinyl chloride	ND		ug/kg	0.43	0.14	1
Chloroethane	ND		ug/kg	0.86	0.19	1
1,1-Dichloroethene	ND		ug/kg	0.43	0.10	1
trans-1,2-Dichloroethene	ND		ug/kg	0.64	0.06	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-01
 Client ID: VTX-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 09:30
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.21	0.06	1
1,2-Dichlorobenzene	ND		ug/kg	0.86	0.06	1
1,3-Dichlorobenzene	ND		ug/kg	0.86	0.06	1
1,4-Dichlorobenzene	ND		ug/kg	0.86	0.07	1
Methyl tert butyl ether	ND		ug/kg	0.86	0.09	1
p/m-Xylene	ND		ug/kg	0.86	0.24	1
o-Xylene	ND		ug/kg	0.43	0.12	1
Xylenes, Total	ND		ug/kg	0.43	0.12	1
cis-1,2-Dichloroethene	ND		ug/kg	0.43	0.08	1
1,2-Dichloroethene, Total	ND		ug/kg	0.43	0.06	1
Dibromomethane	ND		ug/kg	0.86	0.10	1
Styrene	ND		ug/kg	0.43	0.08	1
Dichlorodifluoromethane	ND		ug/kg	4.3	0.39	1
Acetone	ND		ug/kg	4.3	2.1	1
Carbon disulfide	ND		ug/kg	4.3	1.9	1
2-Butanone	ND		ug/kg	4.3	0.95	1
Vinyl acetate	ND		ug/kg	4.3	0.92	1
4-Methyl-2-pentanone	ND		ug/kg	4.3	0.55	1
1,2,3-Trichloropropane	ND		ug/kg	0.86	0.05	1
2-Hexanone	ND		ug/kg	4.3	0.50	1
Bromochloromethane	ND		ug/kg	0.86	0.09	1
2,2-Dichloropropane	ND		ug/kg	0.86	0.09	1
1,2-Dibromoethane	ND		ug/kg	0.43	0.12	1
1,3-Dichloropropane	ND		ug/kg	0.86	0.07	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.21	0.06	1
Bromobenzene	ND		ug/kg	0.86	0.06	1
n-Butylbenzene	ND		ug/kg	0.43	0.07	1
sec-Butylbenzene	ND		ug/kg	0.43	0.06	1
tert-Butylbenzene	ND		ug/kg	0.86	0.05	1
o-Chlorotoluene	ND		ug/kg	0.86	0.08	1
p-Chlorotoluene	ND		ug/kg	0.86	0.05	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.3	0.43	1
Hexachlorobutadiene	ND		ug/kg	1.7	0.07	1
Isopropylbenzene	ND		ug/kg	0.43	0.05	1
p-Isopropyltoluene	ND		ug/kg	0.43	0.05	1
Naphthalene	ND		ug/kg	1.7	0.28	1
Acrylonitrile	ND		ug/kg	1.7	0.49	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-01
 Client ID: VTX-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 09:30
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.43	0.07	1
1,2,3-Trichlorobenzene	ND		ug/kg	0.86	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.86	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.86	0.08	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.86	0.14	1
1,4-Dioxane	ND		ug/kg	43	15.	1
p-Diethylbenzene	ND		ug/kg	0.86	0.08	1
p-Ethyltoluene	ND		ug/kg	0.86	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	0.86	0.08	1
Ethyl ether	ND		ug/kg	0.86	0.15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.1	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	95		70-130

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/13/18 14:19
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	102		70-130

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/14/18 22:19
 Analyst: MKS
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3.8	1.7	1
1,1-Dichloroethane	ND		ug/kg	0.76	0.11	1
Chloroform	ND		ug/kg	1.1	0.11	1
Carbon tetrachloride	ND		ug/kg	0.76	0.17	1
1,2-Dichloropropane	ND		ug/kg	0.76	0.10	1
Dibromochloromethane	ND		ug/kg	0.76	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.76	0.20	1
Tetrachloroethene	ND		ug/kg	0.38	0.15	1
Chlorobenzene	ND		ug/kg	0.38	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.0	0.53	1
1,2-Dichloroethane	ND		ug/kg	0.76	0.19	1
1,1,1-Trichloroethane	ND		ug/kg	0.38	0.13	1
Bromodichloromethane	ND		ug/kg	0.38	0.08	1
trans-1,3-Dichloropropene	ND		ug/kg	0.76	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	0.38	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	0.38	0.12	1
1,1-Dichloropropene	ND		ug/kg	0.38	0.12	1
Bromoform	ND		ug/kg	3.0	0.19	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.38	0.12	1
Benzene	ND		ug/kg	0.38	0.12	1
Toluene	0.43	J	ug/kg	0.76	0.41	1
Ethylbenzene	ND		ug/kg	0.76	0.11	1
Chloromethane	ND		ug/kg	3.0	0.71	1
Bromomethane	ND		ug/kg	1.5	0.44	1
Vinyl chloride	ND		ug/kg	0.76	0.25	1
Chloroethane	ND		ug/kg	1.5	0.34	1
1,1-Dichloroethene	ND		ug/kg	0.76	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.1	0.10	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.38	0.10	1
1,2-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,3-Dichlorobenzene	ND		ug/kg	1.5	0.11	1
1,4-Dichlorobenzene	ND		ug/kg	1.5	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.5	0.15	1
p/m-Xylene	ND		ug/kg	1.5	0.42	1
o-Xylene	ND		ug/kg	0.76	0.22	1
Xylenes, Total	ND		ug/kg	0.76	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	0.76	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.76	0.10	1
Dibromomethane	ND		ug/kg	1.5	0.18	1
Styrene	ND		ug/kg	0.76	0.15	1
Dichlorodifluoromethane	ND		ug/kg	7.6	0.69	1
Acetone	41		ug/kg	7.6	3.6	1
Carbon disulfide	ND		ug/kg	7.6	3.4	1
2-Butanone	ND		ug/kg	7.6	1.7	1
Vinyl acetate	ND		ug/kg	7.6	1.6	1
4-Methyl-2-pentanone	ND		ug/kg	7.6	0.97	1
1,2,3-Trichloropropane	ND		ug/kg	1.5	0.10	1
2-Hexanone	ND		ug/kg	7.6	0.89	1
Bromochloromethane	ND		ug/kg	1.5	0.16	1
2,2-Dichloropropane	ND		ug/kg	1.5	0.15	1
1,2-Dibromoethane	ND		ug/kg	0.76	0.21	1
1,3-Dichloropropane	ND		ug/kg	1.5	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.38	0.10	1
Bromobenzene	ND		ug/kg	1.5	0.11	1
n-Butylbenzene	ND		ug/kg	0.76	0.13	1
sec-Butylbenzene	ND		ug/kg	0.76	0.11	1
tert-Butylbenzene	ND		ug/kg	1.5	0.09	1
o-Chlorotoluene	ND		ug/kg	1.5	0.14	1
p-Chlorotoluene	ND		ug/kg	1.5	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.3	0.76	1
Hexachlorobutadiene	ND		ug/kg	3.0	0.13	1
Isopropylbenzene	ND		ug/kg	0.76	0.08	1
p-Isopropyltoluene	ND		ug/kg	0.76	0.08	1
Naphthalene	ND		ug/kg	3.0	0.49	1
Acrylonitrile	ND		ug/kg	3.0	0.87	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.76	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.5	0.24	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.5	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.5	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.5	0.25	1
1,4-Dioxane	ND		ug/kg	76	27.	1
p-Diethylbenzene	ND		ug/kg	1.5	0.13	1
p-Ethyltoluene	ND		ug/kg	1.5	0.29	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.5	0.14	1
Ethyl ether	ND		ug/kg	1.5	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.8	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/13/18 14:52
 Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	11		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	3.0	J	ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-06
 Client ID: VTX-14
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:40
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/14/18 20:00
 Analyst: MKS
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	2.1	0.95	1
1,1-Dichloroethane	ND		ug/kg	0.41	0.06	1
Chloroform	ND		ug/kg	0.62	0.06	1
Carbon tetrachloride	ND		ug/kg	0.41	0.10	1
1,2-Dichloropropane	ND		ug/kg	0.41	0.05	1
Dibromochloromethane	ND		ug/kg	0.41	0.06	1
1,1,2-Trichloroethane	ND		ug/kg	0.41	0.11	1
Tetrachloroethene	ND		ug/kg	0.21	0.08	1
Chlorobenzene	ND		ug/kg	0.21	0.05	1
Trichlorofluoromethane	ND		ug/kg	1.6	0.29	1
1,2-Dichloroethane	ND		ug/kg	0.41	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.21	0.07	1
Bromodichloromethane	ND		ug/kg	0.21	0.05	1
trans-1,3-Dichloropropene	ND		ug/kg	0.41	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.21	0.07	1
1,3-Dichloropropene, Total	ND		ug/kg	0.21	0.07	1
1,1-Dichloropropene	ND		ug/kg	0.21	0.07	1
Bromoform	ND		ug/kg	1.6	0.10	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.21	0.07	1
Benzene	ND		ug/kg	0.21	0.07	1
Toluene	ND		ug/kg	0.41	0.22	1
Ethylbenzene	ND		ug/kg	0.41	0.06	1
Chloromethane	ND		ug/kg	1.6	0.39	1
Bromomethane	ND		ug/kg	0.83	0.24	1
Vinyl chloride	ND		ug/kg	0.41	0.14	1
Chloroethane	ND		ug/kg	0.83	0.19	1
1,1-Dichloroethene	ND		ug/kg	0.41	0.10	1
trans-1,2-Dichloroethene	ND		ug/kg	0.62	0.06	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-06
 Client ID: VTX-14
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:40
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.21	0.06	1
1,2-Dichlorobenzene	ND		ug/kg	0.83	0.06	1
1,3-Dichlorobenzene	ND		ug/kg	0.83	0.06	1
1,4-Dichlorobenzene	ND		ug/kg	0.83	0.07	1
Methyl tert butyl ether	ND		ug/kg	0.83	0.08	1
p/m-Xylene	ND		ug/kg	0.83	0.23	1
o-Xylene	ND		ug/kg	0.41	0.12	1
Xylenes, Total	ND		ug/kg	0.41	0.12	1
cis-1,2-Dichloroethene	ND		ug/kg	0.41	0.07	1
1,2-Dichloroethene, Total	ND		ug/kg	0.41	0.06	1
Dibromomethane	ND		ug/kg	0.83	0.10	1
Styrene	ND		ug/kg	0.41	0.08	1
Dichlorodifluoromethane	ND		ug/kg	4.1	0.38	1
Acetone	ND		ug/kg	4.1	2.0	1
Carbon disulfide	ND		ug/kg	4.1	1.9	1
2-Butanone	ND		ug/kg	4.1	0.92	1
Vinyl acetate	ND		ug/kg	4.1	0.89	1
4-Methyl-2-pentanone	ND		ug/kg	4.1	0.53	1
1,2,3-Trichloropropane	ND		ug/kg	0.83	0.05	1
2-Hexanone	ND		ug/kg	4.1	0.49	1
Bromochloromethane	ND		ug/kg	0.83	0.09	1
2,2-Dichloropropane	ND		ug/kg	0.83	0.08	1
1,2-Dibromoethane	ND		ug/kg	0.41	0.12	1
1,3-Dichloropropane	ND		ug/kg	0.83	0.07	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.21	0.06	1
Bromobenzene	ND		ug/kg	0.83	0.06	1
n-Butylbenzene	ND		ug/kg	0.41	0.07	1
sec-Butylbenzene	ND		ug/kg	0.41	0.06	1
tert-Butylbenzene	ND		ug/kg	0.83	0.05	1
o-Chlorotoluene	ND		ug/kg	0.83	0.08	1
p-Chlorotoluene	ND		ug/kg	0.83	0.05	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	1.2	0.41	1
Hexachlorobutadiene	ND		ug/kg	1.6	0.07	1
Isopropylbenzene	ND		ug/kg	0.41	0.05	1
p-Isopropyltoluene	ND		ug/kg	0.41	0.05	1
Naphthalene	ND		ug/kg	1.6	0.27	1
Acrylonitrile	ND		ug/kg	1.6	0.48	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-06
 Client ID: VTX-14
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:40
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.41	0.07	1
1,2,3-Trichlorobenzene	ND		ug/kg	0.83	0.13	1
1,2,4-Trichlorobenzene	ND		ug/kg	0.83	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	0.83	0.08	1
1,2,4-Trimethylbenzene	ND		ug/kg	0.83	0.14	1
1,4-Dioxane	ND		ug/kg	41	14.	1
p-Diethylbenzene	ND		ug/kg	0.83	0.07	1
p-Ethyltoluene	ND		ug/kg	0.83	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	0.83	0.08	1
Ethyl ether	ND		ug/kg	0.83	0.14	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.1	0.59	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/13/18 05:56
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156624-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/13/18 05:56
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156624-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/13/18 05:56
 Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156624-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	104		70-130

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,06 Batch: WG1157389-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,06 Batch: WG1157389-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/14/18 13:03
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03,06 Batch: WG1157389-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156624-3 WG1156624-4								
Methylene chloride	100		90		70-130	11		20
1,1-Dichloroethane	93		95		70-130	2		20
Chloroform	91		93		70-130	2		20
Carbon tetrachloride	90		93		63-132	3		20
1,2-Dichloropropane	93		92		70-130	1		20
Dibromochloromethane	88		91		63-130	3		20
1,1,2-Trichloroethane	91		92		70-130	1		20
Tetrachloroethene	92		87		70-130	6		20
Chlorobenzene	92		90		75-130	2		20
Trichlorofluoromethane	100		98		62-150	2		20
1,2-Dichloroethane	93		97		70-130	4		20
1,1,1-Trichloroethane	92		94		67-130	2		20
Bromodichloromethane	90		87		67-130	3		20
trans-1,3-Dichloropropene	91		90		70-130	1		20
cis-1,3-Dichloropropene	89		86		70-130	3		20
1,1-Dichloropropene	89		91		70-130	2		20
Bromoform	87		89		54-136	2		20
1,1,2,2-Tetrachloroethane	97		98		67-130	1		20
Benzene	87		88		70-130	1		20
Toluene	92		90		70-130	2		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	110		93		64-130	17		20
Bromomethane	110		95		39-139	15		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156624-3 WG1156624-4								
Vinyl chloride	110		94		55-140	16		20
Chloroethane	120		100		55-138	18		20
1,1-Dichloroethene	98		91		61-145	7		20
trans-1,2-Dichloroethene	98		89		70-130	10		20
Trichloroethene	86		87		70-130	1		20
1,2-Dichlorobenzene	91		93		70-130	2		20
1,3-Dichlorobenzene	93		91		70-130	2		20
1,4-Dichlorobenzene	91		89		70-130	2		20
Methyl tert butyl ether	99		91		63-130	8		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	92		92		70-130	0		20
Dibromomethane	88		90		70-130	2		20
1,2,3-Trichloropropane	96		98		64-130	2		20
Acrylonitrile	98		100		70-130	2		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	120		110		58-148	9		20
Carbon disulfide	98		87		51-130	12		20
2-Butanone	100		100		63-138	0		20
Vinyl acetate	97		100		70-130	3		20
4-Methyl-2-pentanone	98		98		59-130	0		20
2-Hexanone	97		99		57-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156624-3 WG1156624-4								
Bromochloromethane	94		93		70-130	1		20
2,2-Dichloropropane	97		100		63-133	3		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	93		96		70-130	3		20
1,1,1,2-Tetrachloroethane	93		92		64-130	1		20
Bromobenzene	91		90		70-130	1		20
n-Butylbenzene	91		88		53-136	3		20
sec-Butylbenzene	95		91		70-130	4		20
tert-Butylbenzene	94		93		70-130	1		20
o-Chlorotoluene	95		96		70-130	1		20
p-Chlorotoluene	93		92		70-130	1		20
1,2-Dibromo-3-chloropropane	95		88		41-144	8		20
Hexachlorobutadiene	96		89		63-130	8		20
Isopropylbenzene	96		94		70-130	2		20
p-Isopropyltoluene	94		92		70-130	2		20
Naphthalene	88		92		70-130	4		20
n-Propylbenzene	93		94		69-130	1		20
1,2,3-Trichlorobenzene	88		88		70-130	0		20
1,2,4-Trichlorobenzene	89		87		70-130	2		20
1,3,5-Trimethylbenzene	92		93		64-130	1		20
1,2,4-Trimethylbenzene	91		92		70-130	1		20
1,4-Dioxane	102		96		56-162	6		20
p-Diethylbenzene	90		89		70-130	1		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156624-3 WG1156624-4								
p-Ethyltoluene	95		95		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		95		70-130	3		20
Ethyl ether	100		95		59-134	5		20
trans-1,4-Dichloro-2-butene	97		97		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		108		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	103		105		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1157389-3 WG1157389-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	92		90		70-130	2		30
Chloroform	94		92		70-130	2		30
Carbon tetrachloride	85		84		70-130	1		30
1,2-Dichloropropane	91		92		70-130	1		30
Dibromochloromethane	86		86		70-130	0		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	93		92		70-130	1		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	135		133		70-139	1		30
1,2-Dichloroethane	88		86		70-130	2		30
1,1,1-Trichloroethane	88		86		70-130	2		30
Bromodichloromethane	86		84		70-130	2		30
trans-1,3-Dichloropropene	94		94		70-130	0		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	95		92		70-130	3		30
Bromoform	84		83		70-130	1		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	102		101		70-130	1		30
Toluene	104		103		70-130	1		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	79		93		52-130	16		30
Bromomethane	136		144		57-147	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1157389-3 WG1157389-4								
Vinyl chloride	110		107		67-130	3		30
Chloroethane	127		127		50-151	0		30
1,1-Dichloroethene	90		88		65-135	2		30
trans-1,2-Dichloroethene	94		91		70-130	3		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	104		100		70-130	4		30
1,4-Dichlorobenzene	103		100		70-130	3		30
Methyl tert butyl ether	83		84		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	93		91		70-130	2		30
Dibromomethane	90		89		70-130	1		30
Styrene	93		92		70-130	1		30
Dichlorodifluoromethane	87		84		30-146	4		30
Acetone	109		106		54-140	3		30
Carbon disulfide	88		86		59-130	2		30
2-Butanone	71		76		70-130	7		30
Vinyl acetate	75		73		70-130	3		30
4-Methyl-2-pentanone	93		93		70-130	0		30
1,2,3-Trichloropropane	106		105		68-130	1		30
2-Hexanone	84		82		70-130	2		30
Bromochloromethane	85		84		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1157389-3 WG1157389-4								
2,2-Dichloropropane	88		86		70-130	2		30
1,2-Dibromoethane	99		98		70-130	1		30
1,3-Dichloropropane	103		102		69-130	1		30
1,1,1,2-Tetrachloroethane	85		84		70-130	1		30
Bromobenzene	99		97		70-130	2		30
n-Butylbenzene	120		115		70-130	4		30
sec-Butylbenzene	113		110		70-130	3		30
tert-Butylbenzene	108		106		70-130	2		30
o-Chlorotoluene	110		109		70-130	1		30
p-Chlorotoluene	111		106		70-130	5		30
1,2-Dibromo-3-chloropropane	93		92		68-130	1		30
Hexachlorobutadiene	99		96		67-130	3		30
Isopropylbenzene	111		108		70-130	3		30
p-Isopropyltoluene	110		107		70-130	3		30
Naphthalene	101		100		70-130	1		30
Acrylonitrile	97		98		70-130	1		30
n-Propylbenzene	116		113		70-130	3		30
1,2,3-Trichlorobenzene	98		96		70-130	2		30
1,2,4-Trichlorobenzene	100		98		70-130	2		30
1,3,5-Trimethylbenzene	109		106		70-130	3		30
1,2,4-Trimethylbenzene	108		106		70-130	2		30
1,4-Dioxane	109		96		65-136	13		30
p-Diethylbenzene	111		109		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1157389-3 WG1157389-4								
p-Ethyltoluene	112		109		70-130	3		30
1,2,4,5-Tetramethylbenzene	106		104		70-130	2		30
Ethyl ether	124		122		67-130	2		30
trans-1,4-Dichloro-2-butene	96		95		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	95		94		70-130

SEMIVOLATILES

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-01
 Client ID: VTX-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 09:30
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 15:23
 Analyst: RC
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-01
 Client ID: VTX-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 09:30
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-01

Date Collected: 09/11/18 09:30

Client ID: VTX-7

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	72		18-120

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/14/18 18:03
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	9.3	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	80		41-149

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02
 Client ID: TW-7
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 10:20
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/18 03:31
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-02

Date Collected: 09/11/18 10:20

Client ID: TW-7

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	77		41-149

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 15:48
 Analyst: RC
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	140	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-03
 Client ID: VTX-7 (17.5-18.0)
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 11:25
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	76		18-120

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/14/18 18:31
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	9.2	J	ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	79		41-149

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-05
 Client ID: TW-12
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:10
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/18 03:57
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 19:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-05

Date Collected: 09/11/18 14:10

Client ID: TW-12

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	79		41-149

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-06
 Client ID: VTX-14
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:40
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 17:56
 Analyst: RC
 Percent Solids: 94%

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-06
 Client ID: VTX-14
 Sample Location: MELVILLE, NY

Date Collected: 09/11/18 14:40
 Date Received: 09/11/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-06

Date Collected: 09/11/18 14:40

Client ID: VTX-14

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	71		18-120

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 09:48
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,06 Batch: WG1156254-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 09:48
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,06 Batch: WG1156254-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 09:48
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 09/12/18 19:29

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,06 Batch: WG1156254-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	76		18-120

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156372-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156372-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/13/18 14:43
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:37

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,05 Batch: WG1156372-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	75		41-149

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/13/18 14:53
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02,05 Batch: WG1156373-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/13/18 14:53
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/13/18 06:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02,05 Batch: WG1156373-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1156254-2 WG1156254-3								
Acenaphthene	81		81		31-137	0		50
1,2,4-Trichlorobenzene	78		74		38-107	5		50
Hexachlorobenzene	86		84		40-140	2		50
Bis(2-chloroethyl)ether	80		77		40-140	4		50
2-Chloronaphthalene	85		85		40-140	0		50
1,2-Dichlorobenzene	74		73		40-140	1		50
1,3-Dichlorobenzene	72		73		40-140	1		50
1,4-Dichlorobenzene	73		70		28-104	4		50
3,3'-Dichlorobenzidine	70		69		40-140	1		50
2,4-Dinitrotoluene	91		92		40-132	1		50
2,6-Dinitrotoluene	92		90		40-140	2		50
Fluoranthene	90		86		40-140	5		50
4-Chlorophenyl phenyl ether	82		80		40-140	2		50
4-Bromophenyl phenyl ether	81		83		40-140	2		50
Bis(2-chloroisopropyl)ether	94		90		40-140	4		50
Bis(2-chloroethoxy)methane	85		82		40-117	4		50
Hexachlorobutadiene	79		77		40-140	3		50
Hexachlorocyclopentadiene	84		84		40-140	0		50
Hexachloroethane	78		74		40-140	5		50
Isophorone	93		91		40-140	2		50
Naphthalene	80		78		40-140	3		50
Nitrobenzene	91		88		40-140	3		50
NDPA/DPA	86		86		36-157	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1156254-2 WG1156254-3								
n-Nitrosodi-n-propylamine	93		91		32-121	2		50
Bis(2-ethylhexyl)phthalate	97		95		40-140	2		50
Butyl benzyl phthalate	99		95		40-140	4		50
Di-n-butylphthalate	93		90		40-140	3		50
Di-n-octylphthalate	100		98		40-140	2		50
Diethyl phthalate	91		90		40-140	1		50
Dimethyl phthalate	93		92		40-140	1		50
Benzo(a)anthracene	86		84		40-140	2		50
Benzo(a)pyrene	92		92		40-140	0		50
Benzo(b)fluoranthene	90		88		40-140	2		50
Benzo(k)fluoranthene	86		87		40-140	1		50
Chrysene	87		86		40-140	1		50
Acenaphthylene	86		85		40-140	1		50
Anthracene	88		85		40-140	3		50
Benzo(ghi)perylene	90		92		40-140	2		50
Fluorene	85		84		40-140	1		50
Phenanthrene	86		84		40-140	2		50
Dibenzo(a,h)anthracene	93		92		40-140	1		50
Indeno(1,2,3-cd)pyrene	94		93		40-140	1		50
Pyrene	88		85		35-142	3		50
Biphenyl	87		89		54-104	2		50
4-Chloroaniline	78		77		40-140	1		50
2-Nitroaniline	94		92		47-134	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1156254-2 WG1156254-3								
3-Nitroaniline	70		74		26-129	6		50
4-Nitroaniline	87		84		41-125	4		50
Dibenzofuran	81		81		40-140	0		50
2-Methylnaphthalene	82		81		40-140	1		50
1,2,4,5-Tetrachlorobenzene	81		80		40-117	1		50
Acetophenone	88		86		14-144	2		50
2,4,6-Trichlorophenol	94		87		30-130	8		50
p-Chloro-m-cresol	98		96		26-103	2		50
2-Chlorophenol	83		82		25-102	1		50
2,4-Dichlorophenol	89		87		30-130	2		50
2,4-Dimethylphenol	94		94		30-130	0		50
2-Nitrophenol	84		80		30-130	5		50
4-Nitrophenol	114		117	Q	11-114	3		50
2,4-Dinitrophenol	87		84		4-130	4		50
4,6-Dinitro-o-cresol	89		84		10-130	6		50
Pentachlorophenol	95		91		17-109	4		50
Phenol	83		83		26-90	0		50
2-Methylphenol	88		86		30-130.	2		50
3-Methylphenol/4-Methylphenol	90		87		30-130	3		50
2,4,5-Trichlorophenol	92		88		30-130	4		50
Benzoic Acid	55		59		10-110	7		50
Benzyl Alcohol	95		95		40-140	0		50
Carbazole	89		88		54-128	1		50

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,06 Batch: WG1156254-2 WG1156254-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	88		81		25-120
Phenol-d6	95		90		10-120
Nitrobenzene-d5	93		89		23-120
2-Fluorobiphenyl	84		81		30-120
2,4,6-Tribromophenol	88		86		10-136
4-Terphenyl-d14	79		74		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

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Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156372-2 WG1156372-3								
Acenaphthene	66		82		37-111	22		30
1,2,4-Trichlorobenzene	60		76		39-98	24		30
Hexachlorobenzene	67		82		40-140	20		30
Bis(2-chloroethyl)ether	62		79		40-140	24		30
2-Chloronaphthalene	61		80		40-140	27		30
1,2-Dichlorobenzene	58		75		40-140	26		30
1,3-Dichlorobenzene	60		76		40-140	24		30
1,4-Dichlorobenzene	60		75		36-97	22		30
3,3'-Dichlorobenzidine	63		81		40-140	25		30
2,4-Dinitrotoluene	72		89		48-143	21		30
2,6-Dinitrotoluene	69		86		40-140	22		30
Fluoranthene	74		89		40-140	18		30
4-Chlorophenyl phenyl ether	68		84		40-140	21		30
4-Bromophenyl phenyl ether	67		84		40-140	23		30
Bis(2-chloroisopropyl)ether	64		80		40-140	22		30
Bis(2-chloroethoxy)methane	65		80		40-140	21		30
Hexachlorobutadiene	57		73		40-140	25		30
Hexachlorocyclopentadiene	56		71		40-140	24		30
Hexachloroethane	61		72		40-140	17		30
Isophorone	65		83		40-140	24		30
Naphthalene	60		77		40-140	25		30
Nitrobenzene	61		80		40-140	27		30
NDPA/DPA	68		87		40-140	25		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156372-2 WG1156372-3								
n-Nitrosodi-n-propylamine	67		86		29-132	25		30
Bis(2-ethylhexyl)phthalate	76		91		40-140	18		30
Butyl benzyl phthalate	69		84		40-140	20		30
Di-n-butylphthalate	70		84		40-140	18		30
Di-n-octylphthalate	76		88		40-140	15		30
Diethyl phthalate	75		87		40-140	15		30
Dimethyl phthalate	70		85		40-140	19		30
Benzo(a)anthracene	74		91		40-140	21		30
Benzo(a)pyrene	77		96		40-140	22		30
Benzo(b)fluoranthene	83		99		40-140	18		30
Benzo(k)fluoranthene	75		90		40-140	18		30
Chrysene	73		88		40-140	19		30
Acenaphthylene	64		82		45-123	25		30
Anthracene	69		89		40-140	25		30
Benzo(ghi)perylene	76		92		40-140	19		30
Fluorene	69		84		40-140	20		30
Phenanthrene	69		87		40-140	23		30
Dibenzo(a,h)anthracene	77		94		40-140	20		30
Indeno(1,2,3-cd)pyrene	74		92		40-140	22		30
Pyrene	69		87		26-127	23		30
Biphenyl	63		80		40-140	24		30
4-Chloroaniline	55		68		40-140	21		30
2-Nitroaniline	65		81		52-143	22		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156372-2 WG1156372-3								
3-Nitroaniline	70		86		25-145	21		30
4-Nitroaniline	71		84		51-143	17		30
Dibenzofuran	65		82		40-140	23		30
2-Methylnaphthalene	61		80		40-140	27		30
1,2,4,5-Tetrachlorobenzene	60		76		2-134	24		30
Acetophenone	63		80		39-129	29		30
2,4,6-Trichlorophenol	67		87		30-130	26		30
p-Chloro-m-cresol	72		92		23-97	24		30
2-Chlorophenol	65		80		27-123	21		30
2,4-Dichlorophenol	68		87		30-130	25		30
2,4-Dimethylphenol	67		85		30-130	24		30
2-Nitrophenol	65		87		30-130	29		30
4-Nitrophenol	73		75		10-80	3		30
2,4-Dinitrophenol	76		79		20-130	4		30
4,6-Dinitro-o-cresol	67		79		20-164	16		30
Pentachlorophenol	70		81		9-103	15		30
Phenol	49		61		12-110	22		30
2-Methylphenol	62		80		30-130	25		30
3-Methylphenol/4-Methylphenol	67		85		30-130	24		30
2,4,5-Trichlorophenol	72		86		30-130	18		30
Benzoic Acid	62		54		10-164	14		30
Benzyl Alcohol	65		77		26-116	17		30
Carbazole	75		92		55-144	20		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,05 Batch: WG1156372-2 WG1156372-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		69		21-120
Phenol-d6	48		60		10-120
Nitrobenzene-d5	65		81		23-120
2-Fluorobiphenyl	61		79		15-120
2,4,6-Tribromophenol	73		88		10-120
4-Terphenyl-d14	70		83		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02,05 Batch: WG1156373-2 WG1156373-3								
Acenaphthene	87		86		40-140	1		40
2-Chloronaphthalene	75		75		40-140	0		40
Fluoranthene	88		86		40-140	2		40
Hexachlorobutadiene	68		67		40-140	1		40
Naphthalene	74		73		40-140	1		40
Benzo(a)anthracene	90		86		40-140	5		40
Benzo(a)pyrene	87		79		40-140	10		40
Benzo(b)fluoranthene	97		89		40-140	9		40
Benzo(k)fluoranthene	92		87		40-140	6		40
Chrysene	92		87		40-140	6		40
Acenaphthylene	83		84		40-140	1		40
Anthracene	89		83		40-140	7		40
Benzo(ghi)perylene	82		77		40-140	6		40
Fluorene	90		89		40-140	1		40
Phenanthrene	85		82		40-140	4		40
Dibenzo(a,h)anthracene	85		80		40-140	6		40
Indeno(1,2,3-cd)pyrene	80		71		40-140	12		40
Pyrene	87		84		40-140	4		40
2-Methylnaphthalene	99		98		40-140	1		40
Pentachlorophenol	90		96		40-140	6		40
Hexachlorobenzene	78		76		40-140	3		40
Hexachloroethane	81		80		40-140	1		40

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02,05 Batch: WG1156373-2 WG1156373-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		56		21-120
Phenol-d6	54		54		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	76		75		15-120
2,4,6-Tribromophenol	85		83		10-120
4-Terphenyl-d14	77		74		41-149

METALS

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-01

Date Collected: 09/11/18 09:30

Client ID: VTX-7

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1940		mg/kg	8.24	2.22	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Antimony, Total	0.412	J	mg/kg	4.12	0.313	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Arsenic, Total	1.48		mg/kg	0.824	0.171	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Barium, Total	6.60		mg/kg	0.824	0.143	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Beryllium, Total	0.107	J	mg/kg	0.412	0.027	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Cadmium, Total	0.107	J	mg/kg	0.824	0.081	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Calcium, Total	4210		mg/kg	8.24	2.88	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Chromium, Total	8.66		mg/kg	0.824	0.079	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Cobalt, Total	1.38	J	mg/kg	1.65	0.137	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Copper, Total	2.74		mg/kg	0.824	0.213	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Iron, Total	5360		mg/kg	4.12	0.744	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Lead, Total	1.94	J	mg/kg	4.12	0.221	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Magnesium, Total	456		mg/kg	8.24	1.27	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Manganese, Total	84.7		mg/kg	0.824	0.131	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.065	0.014	1	09/18/18 04:15	09/18/18 12:13	EPA 7471B	1,7471B	MG
Nickel, Total	2.21		mg/kg	2.06	0.200	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Potassium, Total	196	J	mg/kg	206	11.9	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.65	0.213	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.824	0.233	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Sodium, Total	34.5	J	mg/kg	165	2.60	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.65	0.260	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Vanadium, Total	4.17		mg/kg	0.824	0.167	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC
Zinc, Total	5.90		mg/kg	4.12	0.242	2	09/17/18 16:27	09/18/18 03:21	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-02

Date Collected: 09/11/18 10:20

Client ID: TW-7

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	52.6		mg/l	0.0100	0.00327	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Antimony, Total	0.00186	J	mg/l	0.00400	0.00042	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02359		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Barium, Total	3.119		mg/l	0.00050	0.00017	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Beryllium, Total	0.00891		mg/l	0.00050	0.00010	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00160		mg/l	0.00020	0.00005	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Calcium, Total	47.0		mg/l	0.100	0.0394	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Chromium, Total	1.933		mg/l	0.00100	0.00017	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Cobalt, Total	0.07360		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Copper, Total	1.102		mg/l	0.00100	0.00038	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Iron, Total	263.		mg/l	0.0500	0.0191	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Lead, Total	0.1311		mg/l	0.00100	0.00034	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Magnesium, Total	13.7		mg/l	0.0700	0.0242	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Manganese, Total	5.390		mg/l	0.00100	0.00044	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/13/18 12:24	09/13/18 16:34	EPA 7470A	1,7470A	MG
Nickel, Total	0.2986		mg/l	0.00200	0.00055	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Potassium, Total	13.8		mg/l	0.100	0.0309	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Selenium, Total	0.0298		mg/l	0.00500	0.00173	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Silver, Total	0.01377		mg/l	0.00040	0.00016	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Sodium, Total	43.2		mg/l	0.100	0.0293	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Thallium, Total	0.00111		mg/l	0.00050	0.00014	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Vanadium, Total	0.1063		mg/l	0.00500	0.00157	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Zinc, Total	0.7482		mg/l	0.01000	0.00341	1	09/15/18 11:00	09/17/18 19:30	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0181		mg/l	0.0100	0.00327	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00164	J	mg/l	0.00400	0.00042	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00027	J	mg/l	0.00050	0.00016	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.08327		mg/l	0.00050	0.00017	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**SAMPLE RESULTS**

Lab ID: L1835942-02

Date Collected: 09/11/18 10:20

Client ID: TW-7

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Calcium, Dissolved	22.9		mg/l	0.100	0.0394	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00038	J	mg/l	0.00100	0.00017	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.01110		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00406		mg/l	0.00100	0.00038	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.527		mg/l	0.0500	0.0191	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	4.52		mg/l	0.0700	0.0242	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Manganese, Dissolved	1.233		mg/l	0.00100	0.00044	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/13/18 16:17	09/14/18 21:31	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.02603		mg/l	0.00200	0.00055	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Potassium, Dissolved	5.08		mg/l	0.100	0.0309	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Sodium, Dissolved	47.0		mg/l	0.100	0.0293	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM
Zinc, Dissolved	0.00916	J	mg/l	0.01000	0.00341	1	09/15/18 09:45	09/18/18 10:06	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-03

Date Collected: 09/11/18 11:25

Client ID: VTX-7 (17.5-18.0)

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1220		mg/kg	8.04	2.17	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Antimony, Total	0.314	J	mg/kg	4.02	0.306	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Arsenic, Total	0.571	J	mg/kg	0.804	0.167	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Barium, Total	7.36		mg/kg	0.804	0.140	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Beryllium, Total	0.080	J	mg/kg	0.402	0.027	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.804	0.079	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Calcium, Total	1260		mg/kg	8.04	2.81	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Chromium, Total	3.49		mg/kg	0.804	0.077	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Cobalt, Total	0.949	J	mg/kg	1.61	0.133	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Copper, Total	1.98		mg/kg	0.804	0.207	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Iron, Total	3050		mg/kg	4.02	0.726	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Lead, Total	1.31	J	mg/kg	4.02	0.215	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Magnesium, Total	435		mg/kg	8.04	1.24	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Manganese, Total	54.4		mg/kg	0.804	0.128	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.064	0.014	1	09/18/18 04:15	09/18/18 12:15	EPA 7471B	1,7471B	MG
Nickel, Total	1.41	J	mg/kg	2.01	0.194	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Potassium, Total	252		mg/kg	201	11.6	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.61	0.207	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.804	0.228	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Sodium, Total	14.5	J	mg/kg	161	2.53	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.61	0.253	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Vanadium, Total	3.23		mg/kg	0.804	0.163	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC
Zinc, Total	5.56		mg/kg	4.02	0.236	2	09/17/18 16:27	09/18/18 03:26	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

SAMPLE RESULTS

Lab ID: L1835942-06

Date Collected: 09/11/18 14:40

Client ID: VTX-14

Date Received: 09/11/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	777		mg/kg	8.11	2.19	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.06	0.308	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Arsenic, Total	0.674	J	mg/kg	0.811	0.169	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Barium, Total	4.64		mg/kg	0.811	0.141	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Beryllium, Total	0.105	J	mg/kg	0.406	0.027	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Cadmium, Total	0.089	J	mg/kg	0.811	0.080	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Calcium, Total	32.0		mg/kg	8.11	2.84	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Chromium, Total	2.08		mg/kg	0.811	0.078	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Cobalt, Total	1.16	J	mg/kg	1.62	0.135	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Copper, Total	44.8		mg/kg	0.811	0.209	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Iron, Total	2880		mg/kg	4.06	0.733	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Lead, Total	1.10	J	mg/kg	4.06	0.217	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Magnesium, Total	204		mg/kg	8.11	1.25	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Manganese, Total	53.8		mg/kg	0.811	0.129	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.067	0.014	1	09/18/18 04:15	09/18/18 12:17	EPA 7471B	1,7471B	MG
Nickel, Total	2.63		mg/kg	2.03	0.196	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Potassium, Total	128	J	mg/kg	203	11.7	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.62	0.209	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.811	0.230	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Sodium, Total	11.3	J	mg/kg	162	2.56	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.62	0.256	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Vanadium, Total	2.38		mg/kg	0.811	0.165	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC
Zinc, Total	7.28		mg/kg	4.06	0.238	2	09/17/18 16:27	09/18/18 03:30	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1156545-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/13/18 12:24	09/13/18 16:18	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02 Batch: WG1156641-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/13/18 16:17	09/14/18 21:24	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 02 Batch: WG1157247-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Antimony, Dissolved	0.00073	J	mg/l	0.00400	0.00042	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Iron, Dissolved	0.0296	J	mg/l	0.0500	0.0191	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Selenium, Dissolved	ND	mg/l	0.00500	0.00173	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Silver, Dissolved	ND	mg/l	0.00040	0.00016	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Sodium, Dissolved	ND	mg/l	0.100	0.0293	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Thallium, Dissolved	ND	mg/l	0.00050	0.00014	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Vanadium, Dissolved	ND	mg/l	0.00500	0.00157	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM
Zinc, Dissolved	ND	mg/l	0.01000	0.00341	1	09/15/18 09:45	09/17/18 18:09	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1157256-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Iron, Total	0.0212	J	mg/l	0.0500	0.0191	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,06 Batch: WG1157737-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Iron, Total	0.540	J	mg/kg	2.00	0.361	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Manganese, Total	0.064	J	mg/kg	0.400	0.064	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Sodium, Total	3.08	J	mg/kg	80.0	1.26	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/17/18 16:27	09/18/18 01:30	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B



Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,06 Batch: WG1157956-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	09/18/18 04:15	09/18/18 11:55	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1156545-2								
Mercury, Total	96		-		80-120	-		
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1156641-2								
Mercury, Dissolved	100		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1157247-2					
Aluminum, Dissolved	105	-	80-120	-	
Antimony, Dissolved	103	-	80-120	-	
Arsenic, Dissolved	113	-	80-120	-	
Barium, Dissolved	105	-	80-120	-	
Beryllium, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	113	-	80-120	-	
Calcium, Dissolved	103	-	80-120	-	
Chromium, Dissolved	97	-	80-120	-	
Cobalt, Dissolved	99	-	80-120	-	
Copper, Dissolved	98	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	108	-	80-120	-	
Magnesium, Dissolved	101	-	80-120	-	
Manganese, Dissolved	102	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	108	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	101	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1157247-2					
Zinc, Dissolved	111	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1157256-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	109	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	116	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	95	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	117	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	114	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1157256-2					
Zinc, Total	111	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 Batch: WG1157737-2 SRM Lot Number: D102-540					
Aluminum, Total	74	-	49-150	-	
Antimony, Total	167	-	1-199	-	
Arsenic, Total	91	-	83-117	-	
Barium, Total	94	-	83-118	-	
Beryllium, Total	95	-	83-116	-	
Cadmium, Total	100	-	83-118	-	
Calcium, Total	85	-	82-118	-	
Chromium, Total	91	-	83-117	-	
Cobalt, Total	89	-	84-116	-	
Copper, Total	98	-	84-116	-	
Iron, Total	88	-	61-139	-	
Lead, Total	87	-	82-118	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	89	-	82-118	-	
Nickel, Total	90	-	83-117	-	
Potassium, Total	83	-	70-130	-	
Selenium, Total	94	-	79-121	-	
Silver, Total	94	-	80-120	-	
Sodium, Total	97	-	74-126	-	
Thallium, Total	94	-	81-119	-	
Vanadium, Total	90	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 Batch: WG1157737-2 SRM Lot Number: D102-540					
Zinc, Total	87	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 Batch: WG1157956-2 SRM Lot Number: D102-540					
Mercury, Total	118	-	65-134	-	

Matrix Spike Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1156545-3 QC Sample: L1835489-03 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00468	94		-	-		75-125	-		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1156641-3 QC Sample: L1835942-02 Client ID: TW-7												
Mercury, Dissolved	ND	0.005	0.00461	92		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157247-3 QC Sample: L1835942-02 Client ID: TW-7									
Aluminum, Dissolved	0.0181	2	2.24	111	-	-	75-125	-	20
Antimony, Dissolved	0.00164J	0.5	0.5521	110	-	-	75-125	-	20
Arsenic, Dissolved	0.00027J	0.12	0.1330	111	-	-	75-125	-	20
Barium, Dissolved	0.08327	2	2.215	106	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05640	113	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05673	111	-	-	75-125	-	20
Calcium, Dissolved	22.9	10	33.9	110	-	-	75-125	-	20
Chromium, Dissolved	0.00038J	0.2	0.2043	102	-	-	75-125	-	20
Cobalt, Dissolved	0.01110	0.5	0.5322	104	-	-	75-125	-	20
Copper, Dissolved	0.00406	0.25	0.2561	101	-	-	75-125	-	20
Iron, Dissolved	0.527	1	1.88	135	Q	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5521	108	-	-	75-125	-	20
Magnesium, Dissolved	4.52	10	15.9	114	-	-	75-125	-	20
Manganese, Dissolved	1.233	0.5	1.773	108	-	-	75-125	-	20
Nickel, Dissolved	0.02603	0.5	0.5371	102	-	-	75-125	-	20
Potassium, Dissolved	5.08	10	16.4	113	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.138	115	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05033	101	-	-	75-125	-	20
Sodium, Dissolved	47.0	10	58.4	114	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1288	107	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5085	102	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157247-3 QC Sample: L1835942-02 Client ID: TW-7									
Zinc, Dissolved	0.00916J	0.5	0.5698	114	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157256-3 QC Sample: L1835860-03 Client ID: MS Sample									
Aluminum, Total	0.325	2	2.33	100	-	-	75-125	-	20
Antimony, Total	0.0150J	0.5	0.5764	115	-	-	75-125	-	20
Arsenic, Total	0.0122	0.12	0.1141	85	-	-	75-125	-	20
Barium, Total	0.0431	2	2.141	105	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05197	104	-	-	75-125	-	20
Cadmium, Total	0.0359	0.051	0.08766	102	-	-	75-125	-	20
Calcium, Total	1.66	10	10.8	91	-	-	75-125	-	20
Chromium, Total	0.0064	0.2	0.1918	93	-	-	75-125	-	20
Cobalt, Total	0.0027	0.5	0.4734	94	-	-	75-125	-	20
Copper, Total	0.1202	0.25	0.3253	82	-	-	75-125	-	20
Iron, Total	42.6	1	23.1	0	Q	-	75-125	-	20
Lead, Total	0.0048J	0.51	0.5033	99	-	-	75-125	-	20
Magnesium, Total	1.95	10	11.8	98	-	-	75-125	-	20
Manganese, Total	0.8862	0.5	1.206	64	Q	-	75-125	-	20
Nickel, Total	0.0108	0.5	0.4820	94	-	-	75-125	-	20
Potassium, Total	2510	10	2390	0	Q	-	75-125	-	20
Selenium, Total	0.0311	0.12	0.136	87	-	-	75-125	-	20
Silver, Total	0.0010J	0.05	0.05152	103	-	-	75-125	-	20
Sodium, Total	221.	10	254	330	Q	-	75-125	-	20
Thallium, Total	0.0008J	0.12	0.1164	97	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4756	95	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157256-3 QC Sample: L1835860-03 Client ID: MS Sample									
Zinc, Total	0.9327	0.5	1.448	103	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 QC Batch ID: WG1157737-3 WG1157737-4 QC Sample: L1835541-02 Client ID: MS Sample											
Aluminum, Total	10700	173	11100	231	Q	10500	0	Q	75-125	6	20
Antimony, Total	1.60J	43.3	37.5	87		39.1	87		75-125	4	20
Arsenic, Total	6.09	10.4	15.1	87		15.3	86		75-125	1	20
Barium, Total	33.8	173	184	87		187	86		75-125	2	20
Beryllium, Total	0.503	4.33	4.22	86		4.26	84		75-125	1	20
Cadmium, Total	0.529J	4.41	4.44	100		4.56	100		75-125	3	20
Calcium, Total	27000	866	14700	0	Q	19500	0	Q	75-125	28	Q 20
Chromium, Total	15.3	17.3	30.6	88		30.4	84		75-125	1	20
Cobalt, Total	11.6	43.3	45.8	79		46.8	78		75-125	2	20
Copper, Total	35.2	21.6	50.2	69	Q	51.3	72	Q	75-125	2	20
Iron, Total	24800	86.6	25400	693	Q	23900	0	Q	75-125	6	20
Lead, Total	9.61	44.1	45.1	80		45.6	79		75-125	1	20
Magnesium, Total	11100	866	9310	0	Q	9610	0	Q	75-125	3	20
Manganese, Total	632.	43.3	612	0	Q	636	9	Q	75-125	4	20
Nickel, Total	22.9	43.3	58.0	81		58.3	79		75-125	1	20
Potassium, Total	785.	866	1490	81		1530	83		75-125	3	20
Selenium, Total	ND	10.4	8.80	85		9.06	84		75-125	3	20
Silver, Total	ND	26	24.2	93		24.8	92		75-125	2	20
Sodium, Total	219.	866	1020	92		1020	89		75-125	0	20
Thallium, Total	0.295J	10.4	7.43	72	Q	7.58	70	Q	75-125	2	20
Vanadium, Total	17.6	43.3	55.8	88		56.9	88		75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits		
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 QC Batch ID: WG1157737-3 WG1157737-4 QC Sample: L1835541-02 Client ID: MS Sample											
Zinc, Total	66.1	43.3	109	99	107	91	75-125	2	20		
Total Metals - Mansfield Lab Associated sample(s): 01,03,06 QC Batch ID: WG1157956-3 WG1157956-4 QC Sample: L1835541-02 Client ID: MS Sample											
Mercury, Total	ND	0.143	0.176	123	Q	0.178	126	Q	80-120	1	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1156545-4 QC Sample: L1835489-03 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1156641-4 QC Sample: L1835942-02 Client ID: TW-7						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157247-4 QC Sample: L1835942-02 Client ID: TW-7					
Aluminum, Dissolved	0.0181	0.0148	mg/l	20	20
Antimony, Dissolved	0.00164J	0.00315J	mg/l	NC	20
Arsenic, Dissolved	0.00027J	0.00032J	mg/l	NC	20
Barium, Dissolved	0.08327	0.08058	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	22.9	23.0	mg/l	0	20
Chromium, Dissolved	0.00038J	0.00031J	mg/l	NC	20
Cobalt, Dissolved	0.01110	0.01132	mg/l	2	20
Copper, Dissolved	0.00406	0.00367	mg/l	10	20
Iron, Dissolved	0.527	0.517	mg/l	2	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	4.52	4.51	mg/l	0	20
Manganese, Dissolved	1.233	1.268	mg/l	3	20
Nickel, Dissolved	0.02603	0.02610	mg/l	0	20
Potassium, Dissolved	5.08	5.24	mg/l	3	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	47.0	46.9	mg/l	0	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1835942

Report Date: 09/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157247-4 QC Sample: L1835942-02 Client ID: TW-7					
Thallium, Dissolved	ND	0.00021J	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.00916J	0.00885J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1157256-4 QC Sample: L1835860-03 Client ID: DUP Sample					
Selenium, Total	0.0311	0.0265	mg/l	16	20

INORGANICS & MISCELLANEOUS

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18**SAMPLE RESULTS****Lab ID:** L1835942-01**Client ID:** VTX-7**Sample Location:** MELVILLE, NY**Date Collected:** 09/11/18 09:30**Date Received:** 09/11/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.5		%	0.100	NA	1	-	09/13/18 23:33	121,2540G	FN



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18**SAMPLE RESULTS****Lab ID:** L1835942-03**Client ID:** VTX-7 (17.5-18.0)**Sample Location:** MELVILLE, NY**Date Collected:** 09/11/18 11:25**Date Received:** 09/11/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.4		%	0.100	NA	1	-	09/13/18 23:33	121,2540G	FN



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18**SAMPLE RESULTS****Lab ID:** L1835942-06**Client ID:** VTX-14**Sample Location:** MELVILLE, NY**Date Collected:** 09/11/18 14:40**Date Received:** 09/11/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	09/13/18 23:33	121,2540G	FN



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1835942**Report Date:** 09/18/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,06 QC Batch ID: WG1156761-1 QC Sample: L1835942-01 Client ID: VTX-7						
Solids, Total	96.5	97.1	%	1		20

Project Name: NEWSDAY
Project Number: 52692

Serial_No:09181816:54
Lab Number: L1835942
Report Date: 09/18/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835942-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1835942-01B	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)
L1835942-01C	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)
L1835942-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1835942-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1835942-01F	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L1835942-02A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-02B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-02C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-02D	Plastic 250ml unpreserved	A	7	7	2.6	Y	Absent		-
L1835942-02E	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1835942-02F	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1835942-02G	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09181816:54
Lab Number: L1835942
Report Date: 09/18/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835942-02X	Plastic 120ml HNO3 preserved Filtrates	A	<2	<2	2.6	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1835942-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1835942-03B	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)
L1835942-03C	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)
L1835942-03D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1835942-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1835942-03F	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)
L1835942-03X	Vial Water preserved split	A	NA		2.6	Y	Absent	15-SEP-18 14:19	NYTCL-8260HLW(14)
L1835942-03Y	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1835942-04A	Vial MeOH preserved	A	NA		2.6	Y	Absent		HOLD-8260HLW(14)
L1835942-04B	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	HOLD-8260HLW(14)
L1835942-04C	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	HOLD-8260HLW(14)
L1835942-04D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		HOLD-8270(14)
L1835942-04E	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		HOLD-8270(14)
L1835942-04F	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		HOLD-METAL(180)
L1835942-05A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-05B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-05C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1835942-05D	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7)
L1835942-05E	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-LVI(7)
L1835942-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1835942-06B	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09181816:54
Lab Number: L1835942
Report Date: 09/18/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1835942-06C	Vial water preserved	A	NA		2.6	Y	Absent	12-SEP-18 02:04	NYTCL-8260HLW(14)
L1835942-06D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1835942-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1835942-06F	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14)

Project Name: NEWSDAY

Lab Number: L1835942

Project Number: 52692

Report Date: 09/18/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY**Lab Number:** L1835942**Project Number:** 52692**Report Date:** 09/18/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1835942
Report Date: 09/18/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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

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ANALYTICAL REPORT

Lab Number:	L1836162
Client:	The Vertex Companies, Inc. 3322 US Highway 22 West Suite 907 Branchburg, NJ 08876
ATTN:	Chris Cook
Phone:	(908) 333-4303
Project Name:	NEWSDAY
Project Number:	52692
Report Date:	09/20/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1836162-01	VTX-4	SOIL	MELVILLE, NY	09/12/18 11:00	09/12/18
L1836162-02	WC-2	SOIL	MELVILLE, NY	09/12/18 11:35	09/12/18
L1836162-03	TW-8	WATER	MELVILLE, NY	09/12/18 12:55	09/12/18
L1836162-04	VTX-1	SOIL	MELVILLE, NY	09/12/18 13:55	09/12/18
L1836162-05	VTX-2	SOIL	MELVILLE, NY	09/12/18 14:45	09/12/18
L1836162-06	WC-1	SOIL	MELVILLE, NY	09/12/18 15:00	09/12/18

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

The WG1157164-3 LCSD recovery, associated with L1836162-03, is below the acceptance criteria for 4-chloroaniline (9%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L1836162-01, -02, -04, -05, and -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Dissolved Metals

The WG1158172-4 Laboratory Duplicate RPD for aluminum (27%), performed on L1836162-03, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/20/18

ORGANICS

VOLATILES

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01
 Client ID: VTX-4
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/17/18 23:18
 Analyst: NLK
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	110	50.	1
1,1-Dichloroethane	ND		ug/kg	22	3.2	1
Chloroform	ND		ug/kg	33	3.1	1
Carbon tetrachloride	ND		ug/kg	22	5.0	1
1,2-Dichloropropane	ND		ug/kg	22	2.7	1
Dibromochloromethane	ND		ug/kg	22	3.1	1
1,1,2-Trichloroethane	ND		ug/kg	22	5.9	1
Tetrachloroethene	ND		ug/kg	11	4.3	1
Chlorobenzene	ND		ug/kg	11	2.8	1
Trichlorofluoromethane	ND		ug/kg	88	15.	1
1,2-Dichloroethane	ND		ug/kg	22	5.6	1
1,1,1-Trichloroethane	ND		ug/kg	11	3.7	1
Bromodichloromethane	ND		ug/kg	11	2.4	1
trans-1,3-Dichloropropene	ND		ug/kg	22	6.0	1
cis-1,3-Dichloropropene	ND		ug/kg	11	3.5	1
1,3-Dichloropropene, Total	ND		ug/kg	11	3.5	1
1,1-Dichloropropene	ND		ug/kg	11	3.5	1
Bromoform	ND		ug/kg	88	5.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	11	3.6	1
Benzene	ND		ug/kg	11	3.6	1
Toluene	13	J	ug/kg	22	12.	1
Ethylbenzene	33		ug/kg	22	3.1	1
Chloromethane	ND		ug/kg	88	20.	1
Bromomethane	ND		ug/kg	44	13.	1
Vinyl chloride	ND		ug/kg	22	7.4	1
Chloroethane	ND		ug/kg	44	9.9	1
1,1-Dichloroethene	ND		ug/kg	22	5.2	1
trans-1,2-Dichloroethene	ND		ug/kg	33	3.0	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01
 Client ID: VTX-4
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	11	3.0	1
1,2-Dichlorobenzene	ND		ug/kg	44	3.2	1
1,3-Dichlorobenzene	ND		ug/kg	44	3.2	1
1,4-Dichlorobenzene	ND		ug/kg	44	3.8	1
Methyl tert butyl ether	ND		ug/kg	44	4.4	1
p/m-Xylene	140		ug/kg	44	12.	1
o-Xylene	110		ug/kg	22	6.4	1
Xylenes, Total	250		ug/kg	22	6.4	1
cis-1,2-Dichloroethene	ND		ug/kg	22	3.8	1
1,2-Dichloroethene, Total	ND		ug/kg	22	3.0	1
Dibromomethane	ND		ug/kg	44	5.2	1
Styrene	ND		ug/kg	22	4.3	1
Dichlorodifluoromethane	ND		ug/kg	220	20.	1
Acetone	ND		ug/kg	220	100	1
Carbon disulfide	ND		ug/kg	220	100	1
2-Butanone	ND		ug/kg	220	49.	1
Vinyl acetate	ND		ug/kg	220	47.	1
4-Methyl-2-pentanone	ND		ug/kg	220	28.	1
1,2,3-Trichloropropane	ND		ug/kg	44	2.8	1
2-Hexanone	ND		ug/kg	220	26.	1
Bromochloromethane	ND		ug/kg	44	4.5	1
2,2-Dichloropropane	ND		ug/kg	44	4.4	1
1,2-Dibromoethane	ND		ug/kg	22	6.1	1
1,3-Dichloropropane	ND		ug/kg	44	3.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	11	2.9	1
Bromobenzene	ND		ug/kg	44	3.2	1
n-Butylbenzene	16	J	ug/kg	22	3.7	1
sec-Butylbenzene	13	J	ug/kg	22	3.2	1
tert-Butylbenzene	ND		ug/kg	44	2.6	1
o-Chlorotoluene	ND		ug/kg	44	4.2	1
p-Chlorotoluene	ND		ug/kg	44	2.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	66	22.	1
Hexachlorobutadiene	ND		ug/kg	88	3.7	1
Isopropylbenzene	21	J	ug/kg	22	2.4	1
p-Isopropyltoluene	9.7	J	ug/kg	22	2.4	1
Naphthalene	29	J	ug/kg	88	14.	1
Acrylonitrile	ND		ug/kg	88	25.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01
 Client ID: VTX-4
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	32		ug/kg	22	3.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	44	7.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	44	6.0	1
1,3,5-Trimethylbenzene	79		ug/kg	44	4.2	1
1,2,4-Trimethylbenzene	180		ug/kg	44	7.3	1
1,4-Dioxane	ND		ug/kg	2200	770	1
p-Diethylbenzene	84		ug/kg	44	3.9	1
p-Ethyltoluene	140		ug/kg	44	8.4	1
1,2,4,5-Tetramethylbenzene	33	J	ug/kg	44	4.2	1
Ethyl ether	ND		ug/kg	44	7.5	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	110	31.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	87		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/18/18 13:55
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	100	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03
 Client ID: TW-8
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 12:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/15/18 12:27
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03
 Client ID: TW-8
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 12:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03

Date Collected: 09/12/18 12:55

Client ID: TW-8

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	90		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04
 Client ID: VTX-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 13:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/18/18 14:21
 Analyst: MKS
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	ND		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04
 Client ID: VTX-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 13:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.49	1
o-Xylene	ND		ug/kg	0.88	0.25	1
Xylenes, Total	ND		ug/kg	0.88	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	1.9	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	1.0	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.10	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04
 Client ID: VTX-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 13:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.29	1
1,4-Dioxane	ND		ug/kg	88	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.15	1
p-Ethyltoluene	ND		ug/kg	1.8	0.34	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.17	1
Ethyl ether	ND		ug/kg	1.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05
 Client ID: VTX-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/18/18 14:47
 Analyst: MKS
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.93	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.93	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.93	0.12	1
Dibromochloromethane	ND		ug/kg	0.93	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.93	0.25	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.16	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.93	0.50	1
Ethylbenzene	ND		ug/kg	0.93	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.93	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05
 Client ID: VTX-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05
 Client ID: VTX-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.93	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	93	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/18/18 15:14
 Analyst: MKS
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.12	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.92	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.54	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.52	1
o-Xylene	ND		ug/kg	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.92	0.13	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	7.1	J	ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.92	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.18	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.92	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.92	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.8	0.31	1
1,4-Dioxane	ND		ug/kg	92	32.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.16	1
p-Ethyltoluene	ND		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	1
Ethyl ether	ND		ug/kg	1.8	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.6	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/15/18 09:10
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157491-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/15/18 09:10
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157491-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/15/18 09:10
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157491-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	85		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 18:31
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1158023-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 18:31
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1158023-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 18:31
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG1158023-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	88		70-130

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/18/18 08:40
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-06 Batch: WG1158077-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/18/18 08:40
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-06 Batch: WG1158077-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/18/18 08:40
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04-06 Batch: WG1158077-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157491-3 WG1157491-4								
Methylene chloride	98		110		70-130	12		20
1,1-Dichloroethane	120		120		70-130	0		20
Chloroform	96		93		70-130	3		20
Carbon tetrachloride	86		86		63-132	0		20
1,2-Dichloropropane	120		120		70-130	0		20
Dibromochloromethane	91		96		63-130	5		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	99		94		70-130	5		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	98		95		62-150	3		20
1,2-Dichloroethane	95		94		70-130	1		20
1,1,1-Trichloroethane	94		93		67-130	1		20
Bromodichloromethane	93		91		67-130	2		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	93		93		70-130	0		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	100		96		54-136	4		20
1,1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	99		99		70-130	0		20
Toluene	110		110		70-130	0		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	140	Q	140	Q	64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157491-3 WG1157491-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		96		70-130	2		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	85		90		63-130	6		20
p/m-Xylene	100		105		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	91		100		70-130	9		20
Dibromomethane	90		90		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	110		130		70-130	17		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	110		110		58-148	0		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	120		110		63-138	9		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	110		120		59-130	9		20
2-Hexanone	100		120		57-130	18		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157491-3 WG1157491-4								
Bromochloromethane	92		95		70-130	3		20
2,2-Dichloropropane	100		99		63-133	1		20
1,2-Dibromoethane	93		97		70-130	4		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	98		99		64-130	1		20
Bromobenzene	94		96		70-130	2		20
n-Butylbenzene	120		110		53-136	9		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	90		87		70-130	3		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	110		100		70-130	10		20
1,2-Dibromo-3-chloropropane	80		82		41-144	2		20
Hexachlorobutadiene	120		120		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		100		70-130	10		20
Naphthalene	82		85		70-130	4		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	152		162		56-162	6		20
p-Diethylbenzene	99		99		70-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157491-3 WG1157491-4								
p-Ethyltoluene	100		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	92		91		70-130	1		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	120		110		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		94		70-130
Toluene-d8	109		105		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	89		88		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1158023-3 WG1158023-4								
Methylene chloride	92		93		70-130	1		30
1,1-Dichloroethane	106		105		70-130	1		30
Chloroform	94		94		70-130	0		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	116		116		70-130	0		30
Dibromochloromethane	90		92		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	101		98		70-130	3		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	99		98		70-139	1		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	100		101		70-130	1		30
trans-1,3-Dichloropropene	100		103		70-130	3		30
cis-1,3-Dichloropropene	110		112		70-130	2		30
1,1-Dichloropropene	108		105		70-130	3		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	89		90		70-130	1		30
Benzene	97		96		70-130	1		30
Toluene	102		102		70-130	0		30
Ethylbenzene	100		98		70-130	2		30
Chloromethane	112		112		52-130	0		30
Bromomethane	46	Q	44	Q	57-147	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1158023-3 WG1158023-4								
Vinyl chloride	69		69		67-130	0		30
Chloroethane	48	Q	46	Q	50-151	4		30
1,1-Dichloroethene	102		100		65-135	2		30
trans-1,2-Dichloroethene	98		98		70-130	0		30
Trichloroethene	104		102		70-130	2		30
1,2-Dichlorobenzene	89		89		70-130	0		30
1,3-Dichlorobenzene	92		91		70-130	1		30
1,4-Dichlorobenzene	89		88		70-130	1		30
Methyl tert butyl ether	98		99		66-130	1		30
p/m-Xylene	99		98		70-130	1		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	97		96		70-130	1		30
Dibromomethane	95		96		70-130	1		30
Styrene	79		79		70-130	0		30
Dichlorodifluoromethane	78		77		30-146	1		30
Acetone	114		110		54-140	4		30
Carbon disulfide	86		85		59-130	1		30
2-Butanone	128		129		70-130	1		30
Vinyl acetate	109		112		70-130	3		30
4-Methyl-2-pentanone	110		112		70-130	2		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	114		114		70-130	0		30
Bromochloromethane	92		92		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1158023-3 WG1158023-4								
2,2-Dichloropropane	104		102		70-130	2		30
1,2-Dibromoethane	96		96		70-130	0		30
1,3-Dichloropropane	96		98		69-130	2		30
1,1,1,2-Tetrachloroethane	90		92		70-130	2		30
Bromobenzene	90		90		70-130	0		30
n-Butylbenzene	102		101		70-130	1		30
sec-Butylbenzene	103		99		70-130	4		30
tert-Butylbenzene	104		102		70-130	2		30
o-Chlorotoluene	98		95		70-130	3		30
p-Chlorotoluene	98		97		70-130	1		30
1,2-Dibromo-3-chloropropane	85		85		68-130	0		30
Hexachlorobutadiene	98		95		67-130	3		30
Isopropylbenzene	101		99		70-130	2		30
p-Isopropyltoluene	105		103		70-130	2		30
Naphthalene	93		94		70-130	1		30
Acrylonitrile	114		116		70-130	2		30
n-Propylbenzene	99		96		70-130	3		30
1,2,3-Trichlorobenzene	93		94		70-130	1		30
1,2,4-Trichlorobenzene	97		96		70-130	1		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	103		102		70-130	1		30
1,4-Dioxane	91		96		65-136	5		30
p-Diethylbenzene	105		103		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1158023-3 WG1158023-4								
p-Ethyltoluene	101		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	87		86		70-130	1		30
Ethyl ether	97		100		67-130	3		30
trans-1,4-Dichloro-2-butene	92		99		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	109		108		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-06 Batch: WG1158077-3 WG1158077-4								
Methylene chloride	85		78		70-130	9		30
1,1-Dichloroethane	90		84		70-130	7		30
Chloroform	91		86		70-130	6		30
Carbon tetrachloride	89		81		70-130	9		30
1,2-Dichloropropane	94		89		70-130	5		30
Dibromochloromethane	95		89		70-130	7		30
1,1,2-Trichloroethane	98		92		70-130	6		30
Tetrachloroethene	87		81		70-130	7		30
Chlorobenzene	87		83		70-130	5		30
Trichlorofluoromethane	83		76		70-139	9		30
1,2-Dichloroethane	94		87		70-130	8		30
1,1,1-Trichloroethane	89		83		70-130	7		30
Bromodichloromethane	96		91		70-130	5		30
trans-1,3-Dichloropropene	89		84		70-130	6		30
cis-1,3-Dichloropropene	96		90		70-130	6		30
1,1-Dichloropropene	90		82		70-130	9		30
Bromoform	93		86		70-130	8		30
1,1,2,2-Tetrachloroethane	99		92		70-130	7		30
Benzene	89		82		70-130	8		30
Toluene	87		81		70-130	7		30
Ethylbenzene	87		82		70-130	6		30
Chloromethane	83		74		52-130	11		30
Bromomethane	73		71		57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-06 Batch: WG1158077-3 WG1158077-4								
Vinyl chloride	82		74		67-130	10		30
Chloroethane	86		78		50-151	10		30
1,1-Dichloroethene	81		75		65-135	8		30
trans-1,2-Dichloroethene	84		78		70-130	7		30
Trichloroethene	89		83		70-130	7		30
1,2-Dichlorobenzene	88		83		70-130	6		30
1,3-Dichlorobenzene	88		84		70-130	5		30
1,4-Dichlorobenzene	86		83		70-130	4		30
Methyl tert butyl ether	88		83		66-130	6		30
p/m-Xylene	86		82		70-130	5		30
o-Xylene	87		83		70-130	5		30
cis-1,2-Dichloroethene	87		82		70-130	6		30
Dibromomethane	97		91		70-130	6		30
Styrene	87		82		70-130	6		30
Dichlorodifluoromethane	64		58		30-146	10		30
Acetone	98		79		54-140	21		30
Carbon disulfide	82		75		59-130	9		30
2-Butanone	83		74		70-130	11		30
Vinyl acetate	97		90		70-130	7		30
4-Methyl-2-pentanone	87		79		70-130	10		30
1,2,3-Trichloropropane	96		90		68-130	6		30
2-Hexanone	89		84		70-130	6		30
Bromochloromethane	96		88		70-130	9		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-06 Batch: WG1158077-3 WG1158077-4								
2,2-Dichloropropane	91		85		70-130	7		30
1,2-Dibromoethane	94		89		70-130	5		30
1,3-Dichloropropane	96		89		69-130	8		30
1,1,1,2-Tetrachloroethane	92		87		70-130	6		30
Bromobenzene	86		83		70-130	4		30
n-Butylbenzene	89		83		70-130	7		30
sec-Butylbenzene	86		82		70-130	5		30
tert-Butylbenzene	83		78		70-130	6		30
o-Chlorotoluene	93		88		70-130	6		30
p-Chlorotoluene	86		84		70-130	2		30
1,2-Dibromo-3-chloropropane	81		76		68-130	6		30
Hexachlorobutadiene	77		73		67-130	5		30
Isopropylbenzene	84		81		70-130	4		30
p-Isopropyltoluene	84		79		70-130	6		30
Naphthalene	82		77		70-130	6		30
Acrylonitrile	91		85		70-130	7		30
n-Propylbenzene	88		82		70-130	7		30
1,2,3-Trichlorobenzene	84		80		70-130	5		30
1,2,4-Trichlorobenzene	85		80		70-130	6		30
1,3,5-Trimethylbenzene	86		81		70-130	6		30
1,2,4-Trimethylbenzene	85		81		70-130	5		30
1,4-Dioxane	91		84		65-136	8		30
p-Diethylbenzene	84		79		70-130	6		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04-06 Batch: WG1158077-3 WG1158077-4								
p-Ethyltoluene	86		80		70-130	7		30
1,2,4,5-Tetramethylbenzene	82		77		70-130	6		30
Ethyl ether	86		81		67-130	6		30
trans-1,4-Dichloro-2-butene	96		87		70-130	10		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	100		99		70-130

SEMIVOLATILES

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01
 Client ID: VTX-4
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 13:03
 Analyst: RC
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.	1
Hexachlorobenzene	ND		ug/kg	99	18.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	160	16.	1
1,2-Dichlorobenzene	ND		ug/kg	160	30.	1
1,3-Dichlorobenzene	ND		ug/kg	160	28.	1
1,4-Dichlorobenzene	ND		ug/kg	160	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	33.	1
2,6-Dinitrotoluene	ND		ug/kg	160	28.	1
Fluoranthene	ND		ug/kg	99	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.	1
Hexachlorobutadiene	ND		ug/kg	160	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	150	1
Hexachloroethane	ND		ug/kg	130	26.	1
Isophorone	ND		ug/kg	150	21.	1
Naphthalene	ND		ug/kg	160	20.	1
Nitrobenzene	ND		ug/kg	150	24.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.	1
Butyl benzyl phthalate	ND		ug/kg	160	41.	1
Di-n-butylphthalate	ND		ug/kg	160	31.	1
Di-n-octylphthalate	ND		ug/kg	160	56.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01
 Client ID: VTX-4
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	160	15.	1
Dimethyl phthalate	ND		ug/kg	160	34.	1
Benzo(a)anthracene	ND		ug/kg	99	18.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	99	28.	1
Benzo(k)fluoranthene	ND		ug/kg	99	26.	1
Chrysene	ND		ug/kg	99	17.	1
Acenaphthylene	ND		ug/kg	130	25.	1
Anthracene	ND		ug/kg	99	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	19.	1
Fluorene	ND		ug/kg	160	16.	1
Phenanthrene	ND		ug/kg	99	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	99	16.	1
Biphenyl	ND		ug/kg	370	38.	1
4-Chloroaniline	ND		ug/kg	160	30.	1
2-Nitroaniline	ND		ug/kg	160	32.	1
3-Nitroaniline	ND		ug/kg	160	31.	1
4-Nitroaniline	ND		ug/kg	160	68.	1
Dibenzofuran	ND		ug/kg	160	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.	1
Acetophenone	ND		ug/kg	160	20.	1
2,4,6-Trichlorophenol	ND		ug/kg	99	31.	1
p-Chloro-m-cresol	ND		ug/kg	160	24.	1
2-Chlorophenol	ND		ug/kg	160	19.	1
2,4-Dichlorophenol	ND		ug/kg	150	26.	1
2,4-Dimethylphenol	ND		ug/kg	160	54.	1
2-Nitrophenol	ND		ug/kg	350	62.	1
4-Nitrophenol	ND		ug/kg	230	67.	1
2,4-Dinitrophenol	ND		ug/kg	790	76.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	160	25.	1
2-Methylphenol	ND		ug/kg	160	25.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836162-01**Date Collected:** 09/12/18 11:00**Client ID:** VTX-4**Date Received:** 09/12/18**Sample Location:** MELVILLE, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	160	31.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	50.	1
Carbazole	ND		ug/kg	160	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	81		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 10:57
 Analyst: RC
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-02

Date Collected: 09/12/18 11:35

Client ID: WC-2

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	72		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03
 Client ID: TW-8
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 12:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 01:11
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/15/18 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03
 Client ID: TW-8
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 12:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	88		41-149

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03
 Client ID: TW-8
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 12:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/18/18 00:06
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/15/18 12:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.05	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.05	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	0.02	J	ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01	1
Pyrene	0.04	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-03

Date Collected: 09/12/18 12:55

Client ID: TW-8

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	86		41-149

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04
 Client ID: VTX-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 13:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 12:38
 Analyst: RC
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	170	16.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	28.	1
Fluoranthene	160		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	56.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04
 Client ID: VTX-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 13:55
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	15.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	77	J	ug/kg	100	19.	1
Benzo(a)pyrene	94	J	ug/kg	130	41.	1
Benzo(b)fluoranthene	110		ug/kg	100	28.	1
Benzo(k)fluoranthene	42	J	ug/kg	100	27.	1
Chrysene	91	J	ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	32.	1
Benzo(ghi)perylene	94	J	ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	57	J	ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	84	J	ug/kg	130	23.	1
Pyrene	140		ug/kg	100	16.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	31.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	62.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-04

Date Collected: 09/12/18 13:55

Client ID: VTX-1

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	540	170	1
Benzyl Alcohol	ND		ug/kg	170	51.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	84		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05
 Client ID: VTX-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 10:32
 Analyst: RC
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.	1
Hexachlorobenzene	ND		ug/kg	98	18.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	160	16.	1
1,2-Dichlorobenzene	ND		ug/kg	160	29.	1
1,3-Dichlorobenzene	ND		ug/kg	160	28.	1
1,4-Dichlorobenzene	ND		ug/kg	160	28.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.	1
2,4-Dinitrotoluene	ND		ug/kg	160	33.	1
2,6-Dinitrotoluene	ND		ug/kg	160	28.	1
Fluoranthene	ND		ug/kg	98	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.	1
Hexachlorobutadiene	ND		ug/kg	160	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	150	1
Hexachloroethane	ND		ug/kg	130	26.	1
Isophorone	ND		ug/kg	150	21.	1
Naphthalene	ND		ug/kg	160	20.	1
Nitrobenzene	ND		ug/kg	150	24.	1
NDPA/DPA	ND		ug/kg	130	18.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.	1
Butyl benzyl phthalate	ND		ug/kg	160	41.	1
Di-n-butylphthalate	ND		ug/kg	160	31.	1
Di-n-octylphthalate	ND		ug/kg	160	56.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05
 Client ID: VTX-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	160	15.	1
Dimethyl phthalate	ND		ug/kg	160	34.	1
Benzo(a)anthracene	ND		ug/kg	98	18.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	98	27.	1
Benzo(k)fluoranthene	ND		ug/kg	98	26.	1
Chrysene	ND		ug/kg	98	17.	1
Acenaphthylene	ND		ug/kg	130	25.	1
Anthracene	ND		ug/kg	98	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	19.	1
Fluorene	ND		ug/kg	160	16.	1
Phenanthrene	ND		ug/kg	98	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	98	16.	1
Biphenyl	ND		ug/kg	370	38.	1
4-Chloroaniline	ND		ug/kg	160	30.	1
2-Nitroaniline	ND		ug/kg	160	31.	1
3-Nitroaniline	ND		ug/kg	160	31.	1
4-Nitroaniline	ND		ug/kg	160	68.	1
Dibenzofuran	ND		ug/kg	160	15.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.	1
Acetophenone	ND		ug/kg	160	20.	1
2,4,6-Trichlorophenol	ND		ug/kg	98	31.	1
p-Chloro-m-cresol	ND		ug/kg	160	24.	1
2-Chlorophenol	ND		ug/kg	160	19.	1
2,4-Dichlorophenol	ND		ug/kg	150	26.	1
2,4-Dimethylphenol	ND		ug/kg	160	54.	1
2-Nitrophenol	ND		ug/kg	350	61.	1
4-Nitrophenol	ND		ug/kg	230	67.	1
2,4-Dinitrophenol	ND		ug/kg	780	76.	1
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	160	25.	1
2-Methylphenol	ND		ug/kg	160	25.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-05

Date Collected: 09/12/18 14:45

Client ID: VTX-2

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	160	31.	1
Benzoic Acid	ND		ug/kg	530	160	1
Benzyl Alcohol	ND		ug/kg	160	50.	1
Carbazole	ND		ug/kg	160	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	86		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/17/18 10:07
 Analyst: RC
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	30.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	57.	1

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	130	41.	1
Benzo(b)fluoranthene	ND		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	360	63.	1
4-Nitrophenol	ND		ug/kg	240	69.	1
2,4-Dinitrophenol	ND		ug/kg	810	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	81.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-06

Date Collected: 09/12/18 15:00

Client ID: WC-1

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	86		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/15/18 21:20
 Analyst: KR

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG1156736-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/15/18 21:20
 Analyst: KR

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG1156736-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/15/18 21:20
 Analyst: KR

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 21:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04-06 Batch: WG1156736-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	83		18-120

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/16/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/14/18 21:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157164-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/16/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/14/18 21:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157164-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/16/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/14/18 21:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1157164-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	4.47	J	ug/l
Aldol Condensates	1.71	J	ug/l
Unknown Organic Acid	2.76	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		21-120
Phenol-d6	85		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	70		10-120
4-Terphenyl-d14	82		41-149



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/17/18 11:26
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/14/18 21:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1157165-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8270D-SIM
Analytical Date: 09/17/18 11:26
Analyst: DV**Extraction Method:** EPA 3510C
Extraction Date: 09/14/18 21:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 03 Batch: WG1157165-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	78		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	75		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG1156736-2 WG1156736-3								
Acenaphthene	92		92		31-137	0		50
1,2,4-Trichlorobenzene	98		95		38-107	3		50
Hexachlorobenzene	102		104		40-140	2		50
Bis(2-chloroethyl)ether	84		81		40-140	4		50
2-Chloronaphthalene	98		99		40-140	1		50
1,2-Dichlorobenzene	90		84		40-140	7		50
1,3-Dichlorobenzene	85		77		40-140	10		50
1,4-Dichlorobenzene	89		80		28-104	11		50
3,3'-Dichlorobenzidine	86		89		40-140	3		50
2,4-Dinitrotoluene	118		119		40-132	1		50
2,6-Dinitrotoluene	112		117		40-140	4		50
Fluoranthene	102		106		40-140	4		50
4-Chlorophenyl phenyl ether	94		96		40-140	2		50
4-Bromophenyl phenyl ether	97		98		40-140	1		50
Bis(2-chloroisopropyl)ether	93		94		40-140	1		50
Bis(2-chloroethoxy)methane	92		90		40-117	2		50
Hexachlorobutadiene	106		105		40-140	1		50
Hexachlorocyclopentadiene	100		100		40-140	0		50
Hexachloroethane	98		92		40-140	6		50
Isophorone	100		99		40-140	1		50
Naphthalene	87		86		40-140	1		50
Nitrobenzene	96		96		40-140	0		50
NDPA/DPA	98		100		36-157	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG1156736-2 WG1156736-3								
n-Nitrosodi-n-propylamine	99		93		32-121	6		50
Bis(2-ethylhexyl)phthalate	114		112		40-140	2		50
Butyl benzyl phthalate	117		123		40-140	5		50
Di-n-butylphthalate	110		114		40-140	4		50
Di-n-octylphthalate	115		115		40-140	0		50
Diethyl phthalate	107		111		40-140	4		50
Dimethyl phthalate	107		110		40-140	3		50
Benzo(a)anthracene	91		91		40-140	0		50
Benzo(a)pyrene	96		97		40-140	1		50
Benzo(b)fluoranthene	87		88		40-140	1		50
Benzo(k)fluoranthene	110		111		40-140	1		50
Chrysene	95		93		40-140	2		50
Acenaphthylene	102		104		40-140	2		50
Anthracene	100		102		40-140	2		50
Benzo(ghi)perylene	98		97		40-140	1		50
Fluorene	97		96		40-140	1		50
Phenanthrene	90		91		40-140	1		50
Dibenzo(a,h)anthracene	98		96		40-140	2		50
Indeno(1,2,3-cd)pyrene	91		92		40-140	1		50
Pyrene	101		102		35-142	1		50
Biphenyl	102		101		54-104	1		50
4-Chloroaniline	83		81		40-140	2		50
2-Nitroaniline	105		114		47-134	8		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG1156736-2 WG1156736-3								
3-Nitroaniline	86		89		26-129	3		50
4-Nitroaniline	92		90		41-125	2		50
Dibenzofuran	94		96		40-140	2		50
2-Methylnaphthalene	90		91		40-140	1		50
1,2,4,5-Tetrachlorobenzene	105		106		40-117	1		50
Acetophenone	98		97		14-144	1		50
2,4,6-Trichlorophenol	106		106		30-130	0		50
p-Chloro-m-cresol	110	Q	107	Q	26-103	3		50
2-Chlorophenol	98		96		25-102	2		50
2,4-Dichlorophenol	106		111		30-130	5		50
2,4-Dimethylphenol	107		108		30-130	1		50
2-Nitrophenol	107		102		30-130	5		50
4-Nitrophenol	127	Q	129	Q	11-114	2		50
2,4-Dinitrophenol	88		86		4-130	2		50
4,6-Dinitro-o-cresol	100		105		10-130	5		50
Pentachlorophenol	101		101		17-109	0		50
Phenol	82		84		26-90	2		50
2-Methylphenol	93		92		30-130.	1		50
3-Methylphenol/4-Methylphenol	93		94		30-130	1		50
2,4,5-Trichlorophenol	116		115		30-130	1		50
Benzoic Acid	51		46		10-110	10		50
Benzyl Alcohol	91		96		40-140	5		50
Carbazole	98		101		54-128	3		50

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04-06 Batch: WG1156736-2 WG1156736-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		79		25-120
Phenol-d6	89		86		10-120
Nitrobenzene-d5	101		95		23-120
2-Fluorobiphenyl	94		92		30-120
2,4,6-Tribromophenol	100		103		10-136
4-Terphenyl-d14	82		84		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157164-2 WG1157164-3								
Acenaphthene	87		83		37-111	5		30
1,2,4-Trichlorobenzene	72		79		39-98	9		30
Hexachlorobenzene	84		80		40-140	5		30
Bis(2-chloroethyl)ether	77		86		40-140	11		30
2-Chloronaphthalene	84		82		40-140	2		30
1,2-Dichlorobenzene	67		79		40-140	16		30
1,3-Dichlorobenzene	66		80		40-140	19		30
1,4-Dichlorobenzene	66		78		36-97	17		30
3,3'-Dichlorobenzidine	77		61		40-140	23		30
2,4-Dinitrotoluene	93		91		48-143	2		30
2,6-Dinitrotoluene	92		88		40-140	4		30
Fluoranthene	94		89		40-140	5		30
4-Chlorophenyl phenyl ether	88		84		40-140	5		30
4-Bromophenyl phenyl ether	91		85		40-140	7		30
Bis(2-chloroisopropyl)ether	80		89		40-140	11		30
Bis(2-chloroethoxy)methane	91		89		40-140	2		30
Hexachlorobutadiene	67		76		40-140	13		30
Hexachlorocyclopentadiene	65		66		40-140	2		30
Hexachloroethane	65		76		40-140	16		30
Isophorone	89		90		40-140	1		30
Naphthalene	74		82		40-140	10		30
Nitrobenzene	80		88		40-140	10		30
NDPA/DPA	92		86		40-140	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157164-2 WG1157164-3								
n-Nitrosodi-n-propylamine	90		94		29-132	4		30
Bis(2-ethylhexyl)phthalate	101		94		40-140	7		30
Butyl benzyl phthalate	92		84		40-140	9		30
Di-n-butylphthalate	95		89		40-140	7		30
Di-n-octylphthalate	100		95		40-140	5		30
Diethyl phthalate	94		89		40-140	5		30
Dimethyl phthalate	90		86		40-140	5		30
Benzo(a)anthracene	96		92		40-140	4		30
Benzo(a)pyrene	96		91		40-140	5		30
Benzo(b)fluoranthene	98		95		40-140	3		30
Benzo(k)fluoranthene	93		89		40-140	4		30
Chrysene	90		85		40-140	6		30
Acenaphthylene	88		83		45-123	6		30
Anthracene	92		88		40-140	4		30
Benzo(ghi)perylene	93		88		40-140	6		30
Fluorene	89		86		40-140	3		30
Phenanthrene	88		84		40-140	5		30
Dibenzo(a,h)anthracene	95		90		40-140	5		30
Indeno(1,2,3-cd)pyrene	92		90		40-140	2		30
Pyrene	91		85		26-127	7		30
Biphenyl	85		82		40-140	4		30
4-Chloroaniline	78		9	Q	40-140	160	Q	30
2-Nitroaniline	89		83		52-143	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157164-2 WG1157164-3								
3-Nitroaniline	81		59		25-145	31	Q	30
4-Nitroaniline	87		83		51-143	5		30
Dibenzofuran	86		84		40-140	2		30
2-Methylnaphthalene	80		81		40-140	1		30
1,2,4,5-Tetrachlorobenzene	78		80		2-134	3		30
Acetophenone	80		86		39-129	7		30
2,4,6-Trichlorophenol	94		85		30-130	10		30
p-Chloro-m-cresol	98	Q	90		23-97	9		30
2-Chlorophenol	83		90		27-123	8		30
2,4-Dichlorophenol	97		93		30-130	4		30
2,4-Dimethylphenol	93		53		30-130	55	Q	30
2-Nitrophenol	87		93		30-130	7		30
4-Nitrophenol	96	Q	100	Q	10-80	4		30
2,4-Dinitrophenol	87		93		20-130	7		30
4,6-Dinitro-o-cresol	82		80		20-164	2		30
Pentachlorophenol	87		86		9-103	1		30
Phenol	76		84		12-110	10		30
2-Methylphenol	91		84		30-130	8		30
3-Methylphenol/4-Methylphenol	100		88		30-130	13		30
2,4,5-Trichlorophenol	94		92		30-130	2		30
Benzoic Acid	93		101		10-164	8		30
Benzyl Alcohol	76		81		26-116	6		30
Carbazole	97		92		55-144	5		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1157164-2 WG1157164-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		89		21-120
Phenol-d6	79		87		10-120
Nitrobenzene-d5	82		93		23-120
2-Fluorobiphenyl	86		86		15-120
2,4,6-Tribromophenol	92		87		10-120
4-Terphenyl-d14	93		89		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1157165-2 WG1157165-3								
Acenaphthene	96		90		40-140	6		40
2-Chloronaphthalene	76		70		40-140	8		40
Fluoranthene	86		84		40-140	2		40
Hexachlorobutadiene	71		65		40-140	9		40
Naphthalene	77		71		40-140	8		40
Benzo(a)anthracene	84		82		40-140	2		40
Benzo(a)pyrene	76		74		40-140	3		40
Benzo(b)fluoranthene	90		87		40-140	3		40
Benzo(k)fluoranthene	94		89		40-140	5		40
Chrysene	90		86		40-140	5		40
Acenaphthylene	84		79		40-140	6		40
Anthracene	91		88		40-140	3		40
Benzo(ghi)perylene	81		79		40-140	3		40
Fluorene	97		92		40-140	5		40
Phenanthrene	87		83		40-140	5		40
Dibenzo(a,h)anthracene	82		82		40-140	0		40
Indeno(1,2,3-cd)pyrene	70		67		40-140	4		40
Pyrene	86		84		40-140	2		40
2-Methylnaphthalene	98		91		40-140	7		40
Pentachlorophenol	96		95		40-140	1		40
Hexachlorobenzene	83		78		40-140	6		40
Hexachloroethane	94		86		40-140	9		40

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 03 Batch: WG1157165-2 WG1157165-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		69		21-120
Phenol-d6	77		71		10-120
Nitrobenzene-d5	93		87		23-120
2-Fluorobiphenyl	78		71		15-120
2,4,6-Tribromophenol	85		85		10-120
4-Terphenyl-d14	75		74		41-149

PCBS

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/18/18 05:16
 Analyst: HT
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/14/18 08:25
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/14/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	3.02	1	A
Aroclor 1221	ND		ug/kg	34.0	3.41	1	A
Aroclor 1232	ND		ug/kg	34.0	7.21	1	A
Aroclor 1242	ND		ug/kg	34.0	4.59	1	A
Aroclor 1248	ND		ug/kg	34.0	5.10	1	A
Aroclor 1254	ND		ug/kg	34.0	3.72	1	A
Aroclor 1260	ND		ug/kg	34.0	6.29	1	A
Aroclor 1262	ND		ug/kg	34.0	4.32	1	A
Aroclor 1268	ND		ug/kg	34.0	3.52	1	A
PCBs, Total	ND		ug/kg	34.0	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8082A
 Analytical Date: 09/18/18 05:29
 Analyst: HT
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/14/18 08:25
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/14/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.7	3.00	1	A
Aroclor 1221	ND		ug/kg	33.7	3.38	1	A
Aroclor 1232	ND		ug/kg	33.7	7.15	1	A
Aroclor 1242	ND		ug/kg	33.7	4.55	1	A
Aroclor 1248	ND		ug/kg	33.7	5.06	1	A
Aroclor 1254	ND		ug/kg	33.7	3.69	1	A
Aroclor 1260	ND		ug/kg	33.7	6.24	1	A
Aroclor 1262	ND		ug/kg	33.7	4.28	1	A
Aroclor 1268	ND		ug/kg	33.7	3.50	1	A
PCBs, Total	ND		ug/kg	33.7	3.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/18/18 07:34
 Analyst: JW

Extraction Method: EPA 3546
 Extraction Date: 09/14/18 08:25
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/14/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/15/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,06 Batch: WG1156885-1						
Aroclor 1016	ND		ug/kg	32.5	2.88	A
Aroclor 1221	ND		ug/kg	32.5	3.25	A
Aroclor 1232	ND		ug/kg	32.5	6.88	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.87	A
Aroclor 1254	ND		ug/kg	32.5	3.55	A
Aroclor 1260	ND		ug/kg	32.5	6.00	A
Aroclor 1262	ND		ug/kg	32.5	4.12	A
Aroclor 1268	ND		ug/kg	32.5	3.36	A
PCBs, Total	ND		ug/kg	32.5	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,06 Batch: WG1156885-2 WG1156885-3									
Aroclor 1016	74		72		40-140	3		50	A
Aroclor 1260	77		78		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		76		30-150	A
Decachlorobiphenyl	87		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		77		30-150	B
Decachlorobiphenyl	93		88		30-150	B

PESTICIDES

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02
 Client ID: WC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/15/18 17:35
 Analyst: BM
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 22:22
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.702	0.314	1	A
Alpha-BHC	ND		ug/kg	0.702	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.639	1	A
Heptachlor	ND		ug/kg	0.842	0.378	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.948	1	A
Endrin	0.333	J	ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	B
4,4'-DDE	0.520	J	ug/kg	1.68	0.390	1	B
4,4'-DDD	ND		ug/kg	1.68	0.601	1	A
4,4'-DDT	1.97	J	ug/kg	3.16	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.563	1	A
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.983	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	1.44	J	ug/kg	2.11	0.587	1	A
trans-Chlordane	1.91	J	ug/kg	2.11	0.556	1	B
Chlordane	ND		ug/kg	13.7	5.58	1	A

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02

Date Collected: 09/12/18 11:35

Client ID: WC-2

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	114		30-150	A

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06
 Client ID: WC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00
 Date Received: 09/12/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 09/15/18 17:48
 Analyst: BM
 Percent Solids: 98%

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 22:22
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.60	0.314	1	A
Lindane	ND		ug/kg	0.667	0.298	1	A
Alpha-BHC	ND		ug/kg	0.667	0.190	1	A
Beta-BHC	ND		ug/kg	1.60	0.607	1	A
Heptachlor	1.02		ug/kg	0.801	0.359	1	A
Aldrin	ND		ug/kg	1.60	0.564	1	A
Heptachlor epoxide	1.57	J	ug/kg	3.00	0.901	1	A
Endrin	0.863		ug/kg	0.667	0.274	1	A
Endrin aldehyde	ND		ug/kg	2.00	0.701	1	A
Endrin ketone	ND		ug/kg	1.60	0.412	1	A
Dieldrin	0.633	J	ug/kg	1.00	0.500	1	B
4,4'-DDE	2.28		ug/kg	1.60	0.370	1	A
4,4'-DDD	ND		ug/kg	1.60	0.571	1	A
4,4'-DDT	12.3		ug/kg	3.00	1.29	1	B
Endosulfan I	ND		ug/kg	1.60	0.378	1	A
Endosulfan II	ND		ug/kg	1.60	0.535	1	A
Endosulfan sulfate	ND		ug/kg	0.667	0.318	1	A
Methoxychlor	ND		ug/kg	3.00	0.934	1	A
Toxaphene	ND		ug/kg	30.0	8.41	1	A
cis-Chlordane	9.34	P	ug/kg	2.00	0.558	1	A
trans-Chlordane	6.13		ug/kg	2.00	0.529	1	B
Chlordane	121		ug/kg	13.0	5.31	1	A

Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-06

Date Collected: 09/12/18 15:00

Client ID: WC-1

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/15/18 15:42
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 22:22
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,06 Batch: WG1156752-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.650	0.291	A
Alpha-BHC	ND		ug/kg	0.650	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.780	0.350	A
Aldrin	ND		ug/kg	1.56	0.549	A
Heptachlor epoxide	ND		ug/kg	2.92	0.878	A
Endrin	ND		ug/kg	0.650	0.266	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.975	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.556	A
4,4'-DDT	ND		ug/kg	2.92	1.25	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.521	A
Endosulfan sulfate	ND		ug/kg	0.650	0.309	A
Methoxychlor	ND		ug/kg	2.92	0.910	A
Toxaphene	ND		ug/kg	29.2	8.19	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.515	A
Chlordane	ND		ug/kg	12.7	5.17	A

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/15/18 15:42
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 09/13/18 22:22
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/14/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,06 Batch: WG1156752-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	89		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,06 Batch: WG1156752-2 WG1156752-3									
Delta-BHC	87		98		30-150	12		30	A
Lindane	82		92		30-150	11		30	A
Alpha-BHC	79		90		30-150	13		30	A
Beta-BHC	86		119		30-150	32	Q	30	A
Heptachlor	88		98		30-150	11		30	A
Aldrin	88		97		30-150	10		30	A
Heptachlor epoxide	91		102		30-150	11		30	A
Endrin	99		111		30-150	11		30	A
Endrin aldehyde	75		86		30-150	14		30	A
Endrin ketone	100		114		30-150	13		30	A
Dieldrin	92		110		30-150	18		30	A
4,4'-DDE	87		97		30-150	11		30	A
4,4'-DDD	92		103		30-150	11		30	A
4,4'-DDT	98		109		30-150	11		30	A
Endosulfan I	86		96		30-150	11		30	A
Endosulfan II	90		101		30-150	12		30	A
Endosulfan sulfate	77		97		30-150	23		30	A
Methoxychlor	100		112		30-150	11		30	A
cis-Chlordane	75		83		30-150	10		30	A
trans-Chlordane	60		64		30-150	6		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,06 Batch: WG1156752-2 WG1156752-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		91		30-150	B
Decachlorobiphenyl	88		95		30-150	B
2,4,5,6-Tetrachloro-m-xylene	89		96		30-150	A
Decachlorobiphenyl	93		102		30-150	A

METALS

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-01

Date Collected: 09/12/18 11:00

Client ID: VTX-4

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2060		mg/kg	8.01	2.16	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.00	0.304	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Arsenic, Total	3.64		mg/kg	0.801	0.167	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Barium, Total	8.38		mg/kg	0.801	0.139	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Beryllium, Total	0.112	J	mg/kg	0.400	0.026	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Cadmium, Total	0.104	J	mg/kg	0.801	0.079	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Calcium, Total	6940		mg/kg	8.01	2.80	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Chromium, Total	5.18		mg/kg	0.801	0.077	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Cobalt, Total	1.69		mg/kg	1.60	0.133	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Copper, Total	4.46		mg/kg	0.801	0.207	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Iron, Total	7870		mg/kg	4.00	0.723	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Lead, Total	2.05	J	mg/kg	4.00	0.215	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Magnesium, Total	1070		mg/kg	8.01	1.23	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Manganese, Total	81.9		mg/kg	0.801	0.127	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.063	0.013	1	09/18/18 05:40	09/18/18 11:28	EPA 7471B	1,7471B	MG
Nickel, Total	2.13		mg/kg	2.00	0.194	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Potassium, Total	219		mg/kg	200	11.5	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Selenium, Total	0.304	J	mg/kg	1.60	0.207	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.801	0.227	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Sodium, Total	71.2	J	mg/kg	160	2.52	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.60	0.252	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Vanadium, Total	9.53		mg/kg	0.801	0.163	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB
Zinc, Total	7.91		mg/kg	4.00	0.235	2	09/18/18 15:19	09/18/18 23:43	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836162-02

Date Collected: 09/12/18 11:35

Client ID: WC-2

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1560		mg/kg	8.61	2.32	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.30	0.327	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Arsenic, Total	1.32		mg/kg	0.861	0.179	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Barium, Total	9.74		mg/kg	0.861	0.150	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Beryllium, Total	0.052	J	mg/kg	0.430	0.028	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.861	0.084	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Calcium, Total	158		mg/kg	8.61	3.01	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Chromium, Total	10.6		mg/kg	0.861	0.083	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Cobalt, Total	1.10	J	mg/kg	1.72	0.143	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Copper, Total	2.55		mg/kg	0.861	0.222	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Iron, Total	3750		mg/kg	4.30	0.777	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Lead, Total	2.04	J	mg/kg	4.30	0.231	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Magnesium, Total	215		mg/kg	8.61	1.32	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Manganese, Total	82.2		mg/kg	0.861	0.137	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.014	1	09/18/18 05:40	09/18/18 11:29	EPA 7471B	1,7471B	MG
Nickel, Total	1.30	J	mg/kg	2.15	0.208	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Potassium, Total	126	J	mg/kg	215	12.4	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Selenium, Total	0.250	J	mg/kg	1.72	0.222	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.861	0.244	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Sodium, Total	15.7	J	mg/kg	172	2.71	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.72	0.271	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Vanadium, Total	4.50		mg/kg	0.861	0.175	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB
Zinc, Total	3.83	J	mg/kg	4.30	0.252	2	09/18/18 15:19	09/18/18 23:47	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03

Date Collected: 09/12/18 12:55

Client ID: TW-8

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	85.9		mg/l	0.0100	0.00327	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Antimony, Total	0.00116	J	mg/l	0.00400	0.00042	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Arsenic, Total	0.02775		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Barium, Total	2.126		mg/l	0.00050	0.00017	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Beryllium, Total	0.01340		mg/l	0.00050	0.00010	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Cadmium, Total	0.00164		mg/l	0.00020	0.00005	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Calcium, Total	57.2		mg/l	0.100	0.0394	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Chromium, Total	0.8511		mg/l	0.00100	0.00017	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Cobalt, Total	0.08044		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Copper, Total	0.4316		mg/l	0.00100	0.00038	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Iron, Total	196.		mg/l	0.0500	0.0191	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Lead, Total	0.1637		mg/l	0.00100	0.00034	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Magnesium, Total	21.7		mg/l	0.0700	0.0242	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Manganese, Total	7.482		mg/l	0.00100	0.00044	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/14/18 16:04	09/17/18 19:32	EPA 7470A	1,7470A	EA
Nickel, Total	0.2166		mg/l	0.00200	0.00055	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Potassium, Total	29.0		mg/l	0.100	0.0309	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Selenium, Total	0.0381		mg/l	0.00500	0.00173	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Silver, Total	0.02708		mg/l	0.00040	0.00016	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Sodium, Total	30.6		mg/l	0.100	0.0293	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Thallium, Total	0.00169		mg/l	0.00050	0.00014	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Vanadium, Total	0.1028		mg/l	0.00500	0.00157	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Zinc, Total	1.370		mg/l	0.01000	0.00341	1	09/15/18 11:00	09/17/18 19:46	EPA 3005A	1,6020B	AM
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.140		mg/l	0.0100	0.00327	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Antimony, Dissolved	0.00151	J	mg/l	0.00400	0.00042	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Arsenic, Dissolved	0.00049	J	mg/l	0.00050	0.00016	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Barium, Dissolved	0.00707		mg/l	0.00050	0.00017	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-03

Date Collected: 09/12/18 12:55

Client ID: TW-8

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Calcium, Dissolved	22.4		mg/l	0.100	0.0394	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Chromium, Dissolved	0.00107		mg/l	0.00100	0.00017	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Cobalt, Dissolved	0.00213		mg/l	0.00050	0.00016	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Copper, Dissolved	0.00232		mg/l	0.00100	0.00038	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Iron, Dissolved	0.300		mg/l	0.0500	0.0191	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Magnesium, Dissolved	5.54		mg/l	0.0700	0.0242	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Manganese, Dissolved	0.8602		mg/l	0.00100	0.00044	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/18/18 11:30	09/18/18 21:19	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.00661		mg/l	0.00200	0.00055	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Potassium, Dissolved	10.6		mg/l	0.100	0.0309	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Sodium, Dissolved	29.4		mg/l	0.100	0.0293	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/18/18 13:45	09/19/18 10:54	EPA 3005A	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-04

Date Collected: 09/12/18 13:55

Client ID: VTX-1

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3540		mg/kg	7.94	2.14	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.97	0.302	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Arsenic, Total	2.35		mg/kg	0.794	0.165	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Barium, Total	13.7		mg/kg	0.794	0.138	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Beryllium, Total	0.111	J	mg/kg	0.397	0.026	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Cadmium, Total	0.103	J	mg/kg	0.794	0.078	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Calcium, Total	6750		mg/kg	7.94	2.78	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Chromium, Total	9.27		mg/kg	0.794	0.076	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Cobalt, Total	2.28		mg/kg	1.59	0.132	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Copper, Total	4.41		mg/kg	0.794	0.205	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Iron, Total	6400		mg/kg	3.97	0.717	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Lead, Total	3.78	J	mg/kg	3.97	0.213	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Magnesium, Total	835		mg/kg	7.94	1.22	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Manganese, Total	94.8		mg/kg	0.794	0.126	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.064	0.014	1	09/18/18 05:40	09/18/18 11:31	EPA 7471B	1,7471B	MG
Nickel, Total	3.74		mg/kg	1.98	0.192	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Potassium, Total	434		mg/kg	198	11.4	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Selenium, Total	0.309	J	mg/kg	1.59	0.205	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.794	0.224	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Sodium, Total	70.6	J	mg/kg	159	2.50	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.59	0.250	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Vanadium, Total	7.42		mg/kg	0.794	0.161	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB
Zinc, Total	41.3		mg/kg	3.97	0.232	2	09/18/18 15:19	09/18/18 23:51	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05

Date Collected: 09/12/18 14:45

Client ID: VTX-2

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1630		mg/kg	7.89	2.13	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.94	0.300	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Arsenic, Total	1.81		mg/kg	0.789	0.164	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Barium, Total	6.43		mg/kg	0.789	0.137	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Beryllium, Total	0.071	J	mg/kg	0.394	0.026	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.789	0.077	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Calcium, Total	1060		mg/kg	7.89	2.76	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Chromium, Total	5.00		mg/kg	0.789	0.076	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Cobalt, Total	1.49	J	mg/kg	1.58	0.131	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Copper, Total	3.52		mg/kg	0.789	0.203	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Iron, Total	4670		mg/kg	3.94	0.712	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Lead, Total	1.61	J	mg/kg	3.94	0.211	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Magnesium, Total	412		mg/kg	7.89	1.21	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Manganese, Total	76.8		mg/kg	0.789	0.125	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.063	0.013	1	09/18/18 05:40	09/18/18 11:33	EPA 7471B	1,7471B	MG
Nickel, Total	2.05		mg/kg	1.97	0.191	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Potassium, Total	208		mg/kg	197	11.4	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Selenium, Total	0.284	J	mg/kg	1.58	0.203	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.789	0.223	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Sodium, Total	22.2	J	mg/kg	158	2.48	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.58	0.248	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Vanadium, Total	3.87		mg/kg	0.789	0.160	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB
Zinc, Total	8.17		mg/kg	3.94	0.231	2	09/18/18 15:19	09/18/18 23:56	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06

Date Collected: 09/12/18 15:00

Client ID: WC-1

Date Received: 09/12/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2330		mg/kg	7.76	2.09	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.88	0.295	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Arsenic, Total	1.79		mg/kg	0.776	0.161	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Barium, Total	7.30		mg/kg	0.776	0.135	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Beryllium, Total	0.070	J	mg/kg	0.388	0.026	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.776	0.076	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Calcium, Total	353		mg/kg	7.76	2.72	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Chromium, Total	3.95		mg/kg	0.776	0.075	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Cobalt, Total	1.85		mg/kg	1.55	0.129	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Copper, Total	3.11		mg/kg	0.776	0.200	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Iron, Total	4110		mg/kg	3.88	0.700	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Lead, Total	2.00	J	mg/kg	3.88	0.208	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Magnesium, Total	449		mg/kg	7.76	1.19	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Manganese, Total	69.1		mg/kg	0.776	0.123	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.064	0.014	1	09/18/18 05:40	09/18/18 11:35	EPA 7471B	1,7471B	MG
Nickel, Total	2.26		mg/kg	1.94	0.188	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Potassium, Total	194		mg/kg	194	11.2	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Selenium, Total	0.287	J	mg/kg	1.55	0.200	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.776	0.220	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Sodium, Total	21.1	J	mg/kg	155	2.44	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.55	0.244	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Vanadium, Total	4.61		mg/kg	0.776	0.157	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB
Zinc, Total	6.87		mg/kg	3.88	0.227	2	09/18/18 15:19	09/19/18 00:00	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1157074-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	09/14/18 16:04	09/17/18 19:16	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1157256-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Iron, Total	0.0212	J	mg/l	0.0500	0.0191	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Thallium, Total	ND		mg/l	0.00050	0.00014	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/15/18 11:00	09/17/18 13:06	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-06 Batch: WG1157973-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	09/18/18 05:40	09/18/18 11:02	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1158120-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	09/18/18 11:30	09/18/18 21:15	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 03 Batch: WG1158172-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Antimony, Dissolved	0.00087	J	mg/l	0.00400	0.00042	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Iron, Dissolved	0.0205	J	mg/l	0.0500	0.0191	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Manganese, Dissolved	0.00081	J	mg/l	0.00100	0.00044	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Thallium, Dissolved	ND		mg/l	0.00050	0.00014	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	09/18/18 13:45	09/19/18 10:01	1,6020B	AM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-06 Batch: WG1158179-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Iron, Total	0.720	J	mg/kg	2.00	0.361	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Manganese, Total	0.140	J	mg/kg	0.400	0.064	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Sodium, Total	2.81	J	mg/kg	80.0	1.26	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

**Method Blank Analysis
Batch Quality Control**

Thallium, Total	ND	mg/kg	0.800	0.126	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Vanadium, Total	ND	mg/kg	0.400	0.081	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB
Zinc, Total	ND	mg/kg	2.00	0.117	1	09/18/18 15:19	09/18/18 20:50	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis
Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1157074-2								
Mercury, Total	104		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1157256-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	109	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	108	-	80-120	-	
Cadmium, Total	116	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	95	-	80-120	-	
Cobalt, Total	97	-	80-120	-	
Copper, Total	96	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	117	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	114	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1157256-2					
Zinc, Total	111	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 Batch: WG1157973-2 SRM Lot Number: D102-540					
Mercury, Total	107	-	65-134	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1158120-2					
Mercury, Dissolved	108	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1158172-2					
Aluminum, Dissolved	114	-	80-120	-	
Antimony, Dissolved	116	-	80-120	-	
Arsenic, Dissolved	107	-	80-120	-	
Barium, Dissolved	110	-	80-120	-	
Beryllium, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	117	-	80-120	-	
Calcium, Dissolved	110	-	80-120	-	
Chromium, Dissolved	102	-	80-120	-	
Cobalt, Dissolved	104	-	80-120	-	
Copper, Dissolved	104	-	80-120	-	
Iron, Dissolved	118	-	80-120	-	
Lead, Dissolved	113	-	80-120	-	
Magnesium, Dissolved	112	-	80-120	-	
Manganese, Dissolved	105	-	80-120	-	
Nickel, Dissolved	106	-	80-120	-	
Potassium, Dissolved	106	-	80-120	-	
Selenium, Dissolved	112	-	80-120	-	
Silver, Dissolved	102	-	80-120	-	
Sodium, Dissolved	106	-	80-120	-	
Thallium, Dissolved	106	-	80-120	-	
Vanadium, Dissolved	106	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1836162**Report Date:** 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1158172-2					
Zinc, Dissolved	116	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 Batch: WG1158179-2 SRM Lot Number: D102-540					
Aluminum, Total	62	-	49-150	-	
Antimony, Total	159	-	1-199	-	
Arsenic, Total	93	-	83-117	-	
Barium, Total	89	-	83-118	-	
Beryllium, Total	94	-	83-116	-	
Cadmium, Total	95	-	83-118	-	
Calcium, Total	84	-	82-118	-	
Chromium, Total	88	-	83-117	-	
Cobalt, Total	91	-	84-116	-	
Copper, Total	90	-	84-116	-	
Iron, Total	78	-	61-139	-	
Lead, Total	87	-	82-118	-	
Magnesium, Total	78	-	76-124	-	
Manganese, Total	94	-	82-118	-	
Nickel, Total	91	-	83-117	-	
Potassium, Total	74	-	70-130	-	
Selenium, Total	95	-	79-121	-	
Silver, Total	92	-	80-120	-	
Sodium, Total	93	-	74-126	-	
Thallium, Total	88	-	81-119	-	
Vanadium, Total	87	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1836162**Report Date:** 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 Batch: WG1158179-2 SRM Lot Number: D102-540					
Zinc, Total	88	-	81-118	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1157074-3 WG1157074-4 QC Sample: L1836259-07 Client ID: MS Sample												
Mercury, Total	0.1687	0.005	0.1730	86		0.1688	2	Q	75-125	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1157256-3 QC Sample: L1835860-03 Client ID: MS Sample									
Aluminum, Total	0.325	2	2.33	100	-	-	75-125	-	20
Antimony, Total	0.0150J	0.5	0.5764	115	-	-	75-125	-	20
Arsenic, Total	0.0122	0.12	0.1141	85	-	-	75-125	-	20
Barium, Total	0.0431	2	2.141	105	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05197	104	-	-	75-125	-	20
Cadmium, Total	0.0359	0.051	0.08766	102	-	-	75-125	-	20
Calcium, Total	1.66	10	10.8	91	-	-	75-125	-	20
Chromium, Total	0.0064	0.2	0.1918	93	-	-	75-125	-	20
Cobalt, Total	0.0027	0.5	0.4734	94	-	-	75-125	-	20
Copper, Total	0.1202	0.25	0.3253	82	-	-	75-125	-	20
Iron, Total	42.6	1	23.1	0	Q	-	75-125	-	20
Lead, Total	0.0048J	0.51	0.5033	99	-	-	75-125	-	20
Magnesium, Total	1.95	10	11.8	98	-	-	75-125	-	20
Manganese, Total	0.8862	0.5	1.206	64	Q	-	75-125	-	20
Nickel, Total	0.0108	0.5	0.4820	94	-	-	75-125	-	20
Potassium, Total	2510	10	2390	0	Q	-	75-125	-	20
Selenium, Total	0.0311	0.12	0.136	87	-	-	75-125	-	20
Silver, Total	0.0010J	0.05	0.05152	103	-	-	75-125	-	20
Sodium, Total	221.	10	254	330	Q	-	75-125	-	20
Thallium, Total	0.0008J	0.12	0.1164	97	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4756	95	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1157256-3 QC Sample: L1835860-03 Client ID: MS Sample									
Zinc, Total	0.9327	0.5	1.448	103	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 QC Batch ID: WG1157973-3 WG1157973-4 QC Sample: L1835996-03 Client ID: MS Sample									
Mercury, Total	0.324	0.152	0.397	48	Q	0.514	124	Q	80-120 26 Q 20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158120-3 QC Sample: L1836162-03 Client ID: TW-8									
Mercury, Dissolved	ND	0.005	0.00467	93	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158172-3 QC Sample: L1836162-03 Client ID: TW-8									
Aluminum, Dissolved	0.140	2	2.12	99	-	-	75-125	-	20
Antimony, Dissolved	0.00151J	0.5	0.5539	111	-	-	75-125	-	20
Arsenic, Dissolved	0.00049J	0.12	0.1180	98	-	-	75-125	-	20
Barium, Dissolved	0.00707	2	1.972	98	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05229	104	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.05515	108	-	-	75-125	-	20
Calcium, Dissolved	22.4	10	30.7	83	-	-	75-125	-	20
Chromium, Dissolved	0.00107	0.2	0.1915	95	-	-	75-125	-	20
Cobalt, Dissolved	0.00213	0.5	0.4871	97	-	-	75-125	-	20
Copper, Dissolved	0.00232	0.25	0.2395	95	-	-	75-125	-	20
Iron, Dissolved	0.300	1	1.35	105	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5100	100	-	-	75-125	-	20
Magnesium, Dissolved	5.54	10	15.7	102	-	-	75-125	-	20
Manganese, Dissolved	0.8602	0.5	1.312	90	-	-	75-125	-	20
Nickel, Dissolved	0.00661	0.5	0.5019	99	-	-	75-125	-	20
Potassium, Dissolved	10.6	10	19.5	89	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.128	107	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.04781	96	-	-	75-125	-	20
Sodium, Dissolved	29.4	10	38.1	87	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1137	95	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4862	97	-	-	75-125	-	20

Matrix Spike Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158172-3 QC Sample: L1836162-03 Client ID: TW-8									
Zinc, Dissolved	ND	0.5	0.5231	105	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 QC Batch ID: WG1158179-3 WG1158179-4 QC Sample: L1836070-01 Client ID: MS Sample											
Aluminum, Total	158000	218	13200	0	Q	11800	0	Q	75-125	11	20
Antimony, Total	57.1	54.6	138	148	Q	102	81		75-125	30	Q 20
Arsenic, Total	22.0	13.1	32.8	82		30.4	63	Q	75-125	8	20
Barium, Total	473.	218	835	166	Q	711	107		75-125	16	20
Beryllium, Total	0.164J	5.46	4.90	90		4.84	87		75-125	1	20
Cadmium, Total	24.6	5.56	28.8	75		26.4	32	Q	75-125	9	20
Calcium, Total	13200	1090	20800	696	Q	25400	1100	Q	75-125	20	20
Chromium, Total	628.	21.8	234	0	Q	1290	2980	Q	75-125	139	Q 20
Cobalt, Total	30.9	54.6	72.8	77		68.6	68	Q	75-125	6	20
Copper, Total	8630	27.3	14300	20800	Q	2070	0	Q	75-125	149	Q 20
Iron, Total	96200	109	90100	0	Q	85700	0	Q	75-125	5	20
Lead, Total	1650	55.6	1700	90		1480	0	Q	75-125	14	20
Magnesium, Total	1790	1090	3010	112		9590	704	Q	75-125	104	Q 20
Manganese, Total	1110	54.6	888	0	Q	938	0	Q	75-125	5	20
Nickel, Total	747.	54.6	440	0	Q	300	0	Q	75-125	38	Q 20
Potassium, Total	375.	1090	1700	121		1640	114		75-125	4	20
Selenium, Total	4.01	13.1	16.7	97		15.7	88		75-125	6	20
Silver, Total	6.62	32.7	39.5	100		44.4	114		75-125	12	20
Sodium, Total	219.	1090	1460	114		1420	108		75-125	3	20
Thallium, Total	ND	13.1	8.80	67	Q	8.54	64	Q	75-125	3	20
Vanadium, Total	50.4	54.6	79.0	52	Q	77.8	49	Q	75-125	2	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-06 QC Batch ID: WG1158179-3 WG1158179-4 QC Sample: L1836070-01 Client ID: MS Sample												
Zinc, Total	8680	54.6	7960	0	Q	6150	0	Q	75-125	26	Q	20

Project Name: NEWSDAY
Project Number: 52692

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1836162
Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1157256-4 QC Sample: L1835860-03 Client ID: DUP Sample						
Selenium, Total	0.0311	0.0265	mg/l	16		20
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158120-4 QC Sample: L1836162-03 Client ID: TW-8						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158172-4 QC Sample: L1836162-03 Client ID: TW-8					
Aluminum, Dissolved	0.140	0.107	mg/l	27	Q
Antimony, Dissolved	0.00151J	0.00175J	mg/l	NC	20
Arsenic, Dissolved	0.00049J	0.00047J	mg/l	NC	20
Barium, Dissolved	0.00707	0.00733	mg/l	4	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	22.4	22.4	mg/l	0	20
Chromium, Dissolved	0.00107	0.00106	mg/l	1	20
Cobalt, Dissolved	0.00213	0.00217	mg/l	2	20
Copper, Dissolved	0.00232	0.00224	mg/l	4	20
Iron, Dissolved	0.300	0.246	mg/l	20	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	5.54	5.49	mg/l	1	20
Manganese, Dissolved	0.8602	0.8673	mg/l	1	20
Nickel, Dissolved	0.00661	0.00626	mg/l	5	20
Potassium, Dissolved	10.6	10.5	mg/l	1	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Sodium, Dissolved	29.4	29.6	mg/l	1	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1158172-4 QC Sample: L1836162-03 Client ID: TW-8					
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02

Client ID: WC-2

Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35

Date Received: 09/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Test Material Information

Source of Material: Unknown

Description of Material: Non-Metallic - Damp Soil

Particle Size: Medium

Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/14/18 02:00	1,1030	SB



Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06

Client ID: WC-1

Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00

Date Received: 09/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Test Material Information

Source of Material: Unknown

Description of Material: Non-Metallic - Damp Clay

Particle Size: Medium

Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/14/18 02:00	1,1030	SB



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836162**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836162-01**Client ID:** VTX-4**Sample Location:** MELVILLE, NY**Date Collected:** 09/12/18 11:00**Date Received:** 09/12/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	09/15/18 09:08	121,2540G	JK



Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-02

Client ID: WC-2

Sample Location: MELVILLE, NY

Date Collected: 09/12/18 11:35

Date Received: 09/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	09/14/18 13:29	121,2540G	AM
Cyanide, Total	ND		mg/kg	1.0	0.22	1	09/13/18 23:24	09/14/18 11:13	1,9010C/9012B	LH
pH (H)	7.8		SU	-	NA	1	-	09/13/18 19:11	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 06:05	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 05:45	125,7.3	KF



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836162**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836162-04**Client ID:** VTX-1**Sample Location:** MELVILLE, NY**Date Collected:** 09/12/18 13:55**Date Received:** 09/12/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	99.3		%	0.100	NA	1	-	09/14/18 13:29	121,2540G	AM



Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-05

Client ID: VTX-2

Sample Location: MELVILLE, NY

Date Collected: 09/12/18 14:45

Date Received: 09/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.9		%	0.100	NA	1	-	09/15/18 09:08	121,2540G	JK



Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836162-06

Client ID: WC-1

Sample Location: MELVILLE, NY

Date Collected: 09/12/18 15:00

Date Received: 09/12/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.8		%	0.100	NA	1	-	09/15/18 09:08	121,2540G	JK
Cyanide, Total	ND		mg/kg	0.99	0.21	1	09/13/18 23:24	09/14/18 11:00	1,9010C/9012B	LH
pH (H)	7.2		SU	-	NA	1	-	09/13/18 19:11	1,9045D	AS
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 06:05	125,7.3	KF
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 05:46	125,7.3	KF



Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,06 Batch: WG1156611-1										
Cyanide, Total	ND		mg/kg	0.96	0.20	1	09/13/18 23:24	09/14/18 10:43	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 02,06 Batch: WG1156796-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 05:44	125,7.3	KF
General Chemistry - Westborough Lab for sample(s): 02,06 Batch: WG1156798-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/14/18 04:45	09/14/18 06:03	125,7.3	KF

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,06 Batch: WG1156611-2 WG1156611-3								
Cyanide, Total	88		82		80-120	16		35
General Chemistry - Westborough Lab Associated sample(s): 02,06 Batch: WG1156707-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,06 Batch: WG1156796-2								
Sulfide, Reactive	87		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,06 Batch: WG1156798-2								
Cyanide, Reactive	55		-		30-125	-		40

Matrix Spike Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,06 QC Batch ID: WG1156611-4 WG1156611-5 QC Sample: L1836238-01 Client ID: MS Sample												
Cyanide, Total	ND	11	9.7	86		6.4	56	Q	75-125	41	Q	35

Lab Duplicate Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836162

Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,06 QC Batch ID: WG1156707-2 QC Sample: L1836109-01 Client ID: DUP Sample						
pH	8.4	8.5	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,06 QC Batch ID: WG1156796-3 QC Sample: L1836070-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,06 QC Batch ID: WG1156798-3 QC Sample: L1836070-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1157051-2 QC Sample: L1836070-01 Client ID: DUP Sample						
Solids, Total	71.2	72.7	%	2		20
General Chemistry - Westborough Lab Associated sample(s): 01,05-06 QC Batch ID: WG1157235-1 QC Sample: L1836250-20 Client ID: DUP Sample						
Solids, Total	80.6	78.3	%	3		20

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201815:27
Lab Number: L1836162
Report Date: 09/20/18

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836162-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-01B	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-01C	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-01D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1836162-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836162-01F	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14)
L1836162-02A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-02B	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-02C	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-02D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1836162-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836162-02F	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-02G	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1836162-02H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1836162-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201815:27
Lab Number: L1836162
Report Date: 09/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836162-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1836162-03C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L1836162-03D	Plastic 250ml unpreserved	A	7	7	3.5	Y	Absent		-
L1836162-03E	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1836162-03F	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836162-03G	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836162-03X	Plastic 120ml HNO3 preserved Filtrates	A	NA		3.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1836162-04A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-04B	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-04C	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-04D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1836162-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1836162-04F	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14)
L1836162-05A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-05B	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-05C	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-05D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201815:27
Lab Number: L1836162
Report Date: 09/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836162-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836162-05F	Glass 120ml/4oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14)
L1836162-06A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-06B	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-06C	Vial water preserved	A	NA		3.5	Y	Absent	13-SEP-18 10:26	NYTCL-8260HLW(14)
L1836162-06D	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		TS(7)
L1836162-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836162-06F	Vial Large Septa unpreserved (4oz)	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L1836162-06G	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)
L1836162-06H	Glass 500ml/16oz unpreserved	A	NA		3.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),PH-9045(1),NYTCL-8081(14),NYTCL-8082(14),REACTCN(14)

Project Name: NEWSDAY

Lab Number: L1836162

Project Number: 52692

Report Date: 09/20/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY**Lab Number:** L1836162**Project Number:** 52692**Report Date:** 09/20/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836162
Report Date: 09/20/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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

Service Centers

Page

of

9/13/18

ALPHA Job #

L 1836162

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information

Client: Vertex
Address: 3322 US 22 West
Branchburg, ND 08876 Stc. 907
Phone: 908-448-2627
Fax:
Email: CCook@vertexeng.com

Project Information

Project Name:	New5day
Project Location:	Melville, NY
Project #	52692
(Use Project name as Project #)	☐
Project Manager:	Chris Cook
ALPHAQuote #:	

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days: 5 DAYS

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS	☐ NY Part 375
☐ AWQ Standards	☐ NY CP-51
☐ NY Restricted Use	☐ Other
☐ NY Unrestricted Use	
☐ NYC Sewer Discharge	

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:

☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

VOCs
SVOCs
TAL Metals
Dissolved Metals (M _D)
Total Metals (M _T)
PICMA Characteristics
Full TOL
EM TAL ACT

Sample Filtration

☐ Done
☒ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
36162-01	VTX-4	9/2/18	11:00	S	WS
02	WC-2	↓	11:35	S	↓
03	TW-8		12:55	GW	
04	VTX-1		13:55	S	
05	VTX-2		14:45	S	
06	WC-1		15:00	S	

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

Preservative

Relinquished By:

Date/Time

Received By:

Date/Time

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L1836518
Client:	The Vertex Companies, Inc. 3322 US Highway 22 West Suite 907 Branchburg, NJ 08876
ATTN:	Chris Cook
Phone:	(908) 333-4303
Project Name:	NEWSDAY
Project Number:	52692
Report Date:	09/20/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1836518-01	VTX-3	SOIL	MELVILLE, NY	09/13/18 08:45	09/13/18
L1836518-02	VTX-5	SOIL	MELVILLE, NY	09/13/18 10:50	09/13/18
L1836518-03	VTX-16	SOIL	MELVILLE, NY	09/13/18 15:05	09/13/18
L1836518-04	TW-14	WATER	MELVILLE, NY	09/13/18 15:50	09/13/18
L1836518-05	TW-5	WATER	MELVILLE, NY	09/13/18 13:30	09/13/18
L1836518-06	DW-1	SOIL	MELVILLE, NY	09/13/18 16:15	09/13/18
L1836518-07	DW-2	SOIL	MELVILLE, NY	09/13/18 16:20	09/13/18

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Case Narrative (continued)

Report Submission

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

Semivolatile Organics

L1836518-05: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1836518-01, -02 and -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1158798-1 Method Blank, associated with L1836518-01, -02 and -06, has a concentration above the reporting limit for manganese. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

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

Authorized Signature:

 Amita Naik

Title: Technical Director/Representative

Date: 09/20/18

ORGANICS

VOLATILES

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01
 Client ID: VTX-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 08:45
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 13:01
 Analyst: MKS
 Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.51	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01
 Client ID: VTX-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 08:45
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01
 Client ID: VTX-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 08:45
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	95	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02
 Client ID: VTX-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 10:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 13:29
 Analyst: MKS
 Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02
 Client ID: VTX-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 10:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	20		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.6	0.74	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02
 Client ID: VTX-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 10:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	110	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	87		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-03
 Client ID: VTX-16
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:05
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 13:56
 Analyst: MKS
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-03
 Client ID: VTX-16
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:05
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-03
 Client ID: VTX-16
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:05
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	99	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-04
 Client ID: TW-14
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/17/18 11:54
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-04
 Client ID: TW-14
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-04

Date Collected: 09/13/18 15:50

Client ID: TW-14

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8260C
 Analytical Date: 09/17/18 12:19
 Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	3.8		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.5	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	94		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06
 Client ID: DW-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 14:24
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.94	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.94	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.94	0.12	1
Dibromochloromethane	ND		ug/kg	0.94	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.94	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.7	0.65	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.7	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	0.13	1
Chloromethane	ND		ug/kg	3.7	0.87	1
Bromomethane	ND		ug/kg	1.9	0.54	1
Vinyl chloride	ND		ug/kg	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06
 Client ID: DW-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06
 Client ID: DW-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.94	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.31	1
1,4-Dioxane	ND		ug/kg	94	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.16	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-07
 Client ID: DW-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 14:52
 Analyst: MKS
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.47	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.47	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.47	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.47	0.16	1
Benzene	ND		ug/kg	0.47	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.88	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-07
 Client ID: DW-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-07
 Client ID: DW-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	95	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 11:29
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157894-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 11:29
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157894-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/17/18 11:29
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157894-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	92		70-130

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 08:23
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1158498-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1836518

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Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 08:23
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1158498-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19



Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 08:23
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1158498-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157894-3 WG1157894-4								
Methylene chloride	100		97		70-130	3		20
1,1-Dichloroethane	98		93		70-130	5		20
Chloroform	96		92		70-130	4		20
Carbon tetrachloride	93		88		63-132	6		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	97		92		63-130	5		20
1,1,2-Trichloroethane	96		95		70-130	1		20
Tetrachloroethene	94		90		70-130	4		20
Chlorobenzene	97		94		75-130	3		20
Trichlorofluoromethane	94		90		62-150	4		20
1,2-Dichloroethane	94		91		70-130	3		20
1,1,1-Trichloroethane	95		89		67-130	7		20
Bromodichloromethane	95		91		67-130	4		20
trans-1,3-Dichloropropene	98		97		70-130	1		20
cis-1,3-Dichloropropene	100		97		70-130	3		20
1,1-Dichloropropene	89		84		70-130	6		20
Bromoform	91		93		54-136	2		20
1,1,2,2-Tetrachloroethane	96		95		67-130	1		20
Benzene	98		95		70-130	3		20
Toluene	96		94		70-130	2		20
Ethylbenzene	97		95		70-130	2		20
Chloromethane	94		90		64-130	4		20
Bromomethane	71		64		39-139	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157894-3 WG1157894-4								
Vinyl chloride	82		79		55-140	4		20
Chloroethane	100		93		55-138	7		20
1,1-Dichloroethene	95		90		61-145	5		20
trans-1,2-Dichloroethene	96		93		70-130	3		20
Trichloroethene	92		89		70-130	3		20
1,2-Dichlorobenzene	98		97		70-130	1		20
1,3-Dichlorobenzene	97		95		70-130	2		20
1,4-Dichlorobenzene	94		92		70-130	2		20
Methyl tert butyl ether	100		99		63-130	1		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	100		98		70-130	2		20
Dibromomethane	95		92		70-130	3		20
1,2,3-Trichloropropane	90		90		64-130	0		20
Acrylonitrile	90		92		70-130	2		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	89		85		36-147	5		20
Acetone	78		85		58-148	9		20
Carbon disulfide	92		87		51-130	6		20
2-Butanone	89		92		63-138	3		20
Vinyl acetate	99		96		70-130	3		20
4-Methyl-2-pentanone	88		91		59-130	3		20
2-Hexanone	93		93		57-130	0		20

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157894-3 WG1157894-4								
Bromochloromethane	100		98		70-130	2		20
2,2-Dichloropropane	97		92		63-133	5		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	98		99		70-130	1		20
1,1,1,2-Tetrachloroethane	96		94		64-130	2		20
Bromobenzene	94		94		70-130	0		20
n-Butylbenzene	93		91		53-136	2		20
sec-Butylbenzene	93		92		70-130	1		20
tert-Butylbenzene	92		91		70-130	1		20
o-Chlorotoluene	98		92		70-130	6		20
p-Chlorotoluene	98		96		70-130	2		20
1,2-Dibromo-3-chloropropane	83		84		41-144	1		20
Hexachlorobutadiene	81		79		63-130	3		20
Isopropylbenzene	92		90		70-130	2		20
p-Isopropyltoluene	92		90		70-130	2		20
Naphthalene	96		96		70-130	0		20
n-Propylbenzene	99		98		69-130	1		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	89		88		70-130	1		20
1,3,5-Trimethylbenzene	99		98		64-130	1		20
1,2,4-Trimethylbenzene	94		93		70-130	1		20
1,4-Dioxane	84		130		56-162	43	Q	20
p-Diethylbenzene	90		88		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157894-3 WG1157894-4								
p-Ethyltoluene	97		95		70-130	2		20
1,2,4,5-Tetramethylbenzene	91		90		70-130	1		20
Ethyl ether	100		98		59-134	2		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		91		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	100		103		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1158498-3 WG1158498-4								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	92		89		70-130	3		30
Chloroform	93		92		70-130	1		30
Carbon tetrachloride	76		77		70-130	1		30
1,2-Dichloropropane	92		91		70-130	1		30
Dibromochloromethane	77		81		70-130	5		30
1,1,2-Trichloroethane	101		102		70-130	1		30
Tetrachloroethene	87		85		70-130	2		30
Chlorobenzene	91		90		70-130	1		30
Trichlorofluoromethane	129		124		70-139	4		30
1,2-Dichloroethane	89		87		70-130	2		30
1,1,1-Trichloroethane	82		81		70-130	1		30
Bromodichloromethane	81		82		70-130	1		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	83		84		70-130	1		30
1,1-Dichloropropene	90		88		70-130	2		30
Bromoform	70		76		70-130	8		30
1,1,2,2-Tetrachloroethane	103		102		70-130	1		30
Benzene	102		99		70-130	3		30
Toluene	101		99		70-130	2		30
Ethylbenzene	103		100		70-130	3		30
Chloromethane	95		75		52-130	24		30
Bromomethane	147		134		57-147	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1158498-3 WG1158498-4								
Vinyl chloride	108		103		67-130	5		30
Chloroethane	136		125		50-151	8		30
1,1-Dichloroethene	89		84		65-135	6		30
trans-1,2-Dichloroethene	91		88		70-130	3		30
Trichloroethene	89		85		70-130	5		30
1,2-Dichlorobenzene	98		95		70-130	3		30
1,3-Dichlorobenzene	100		97		70-130	3		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	84		82		66-130	2		30
p/m-Xylene	99		96		70-130	3		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	90		90		70-130	0		30
Dibromomethane	90		89		70-130	1		30
Styrene	94		92		70-130	2		30
Dichlorodifluoromethane	86		80		30-146	7		30
Acetone	117		114		54-140	3		30
Carbon disulfide	85		82		59-130	4		30
2-Butanone	68	Q	68	Q	70-130	0		30
Vinyl acetate	70		71		70-130	1		30
4-Methyl-2-pentanone	89		89		70-130	0		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	76		77		70-130	1		30
Bromochloromethane	83		85		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1158498-3 WG1158498-4								
2,2-Dichloropropane	82		79		70-130	4		30
1,2-Dibromoethane	95		95		70-130	0		30
1,3-Dichloropropane	102		100		69-130	2		30
1,1,1,2-Tetrachloroethane	77		79		70-130	3		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	114		109		70-130	4		30
sec-Butylbenzene	108		104		70-130	4		30
tert-Butylbenzene	102		99		70-130	3		30
o-Chlorotoluene	90		103		70-130	13		30
p-Chlorotoluene	105		102		70-130	3		30
1,2-Dibromo-3-chloropropane	81		85		68-130	5		30
Hexachlorobutadiene	91		88		67-130	3		30
Isopropylbenzene	105		101		70-130	4		30
p-Isopropyltoluene	104		100		70-130	4		30
Naphthalene	96		96		70-130	0		30
Acrylonitrile	96		98		70-130	2		30
n-Propylbenzene	110		106		70-130	4		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	96		95		70-130	1		30
1,3,5-Trimethylbenzene	104		101		70-130	3		30
1,2,4-Trimethylbenzene	104		101		70-130	3		30
1,4-Dioxane	92		94		65-136	2		30
p-Diethylbenzene	105		101		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1158498-3 WG1158498-4								
p-Ethyltoluene	107		103		70-130	4		30
1,2,4,5-Tetramethylbenzene	102		100		70-130	2		30
Ethyl ether	123		126		67-130	2		30
trans-1,4-Dichloro-2-butene	88		88		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	105		105		70-130
Dibromofluoromethane	94		96		70-130

SEMIVOLATILES

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01
 Client ID: VTX-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 08:45
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:08
 Analyst: RC
 Percent Solids: 99%

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.	1
Hexachlorobenzene	ND		ug/kg	98	18.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	160	16.	1
1,2-Dichlorobenzene	ND		ug/kg	160	29.	1
1,3-Dichlorobenzene	ND		ug/kg	160	28.	1
1,4-Dichlorobenzene	ND		ug/kg	160	29.	1
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.	1
2,4-Dinitrotoluene	ND		ug/kg	160	33.	1
2,6-Dinitrotoluene	ND		ug/kg	160	28.	1
Fluoranthene	ND		ug/kg	98	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.	1
Hexachlorobutadiene	ND		ug/kg	160	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	470	150	1
Hexachloroethane	ND		ug/kg	130	26.	1
Isophorone	ND		ug/kg	150	21.	1
Naphthalene	ND		ug/kg	160	20.	1
Nitrobenzene	ND		ug/kg	150	24.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.	1
Butyl benzyl phthalate	ND		ug/kg	160	41.	1
Di-n-butylphthalate	ND		ug/kg	160	31.	1
Di-n-octylphthalate	ND		ug/kg	160	56.	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01
 Client ID: VTX-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 08:45
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	160	15.	1
Dimethyl phthalate	ND		ug/kg	160	34.	1
Benzo(a)anthracene	ND		ug/kg	98	18.	1
Benzo(a)pyrene	ND		ug/kg	130	40.	1
Benzo(b)fluoranthene	ND		ug/kg	98	28.	1
Benzo(k)fluoranthene	ND		ug/kg	98	26.	1
Chrysene	ND		ug/kg	98	17.	1
Acenaphthylene	ND		ug/kg	130	25.	1
Anthracene	ND		ug/kg	98	32.	1
Benzo(ghi)perylene	ND		ug/kg	130	19.	1
Fluorene	ND		ug/kg	160	16.	1
Phenanthrene	ND		ug/kg	98	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.	1
Pyrene	ND		ug/kg	98	16.	1
Biphenyl	ND		ug/kg	370	38.	1
4-Chloroaniline	ND		ug/kg	160	30.	1
2-Nitroaniline	ND		ug/kg	160	32.	1
3-Nitroaniline	ND		ug/kg	160	31.	1
4-Nitroaniline	ND		ug/kg	160	68.	1
Dibenzofuran	ND		ug/kg	160	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.	1
Acetophenone	ND		ug/kg	160	20.	1
2,4,6-Trichlorophenol	ND		ug/kg	98	31.	1
p-Chloro-m-cresol	ND		ug/kg	160	24.	1
2-Chlorophenol	ND		ug/kg	160	19.	1
2,4-Dichlorophenol	ND		ug/kg	150	26.	1
2,4-Dimethylphenol	ND		ug/kg	160	54.	1
2-Nitrophenol	ND		ug/kg	350	62.	1
4-Nitrophenol	ND		ug/kg	230	67.	1
2,4-Dinitrophenol	ND		ug/kg	790	76.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.	1
Pentachlorophenol	ND		ug/kg	130	36.	1
Phenol	ND		ug/kg	160	25.	1
2-Methylphenol	ND		ug/kg	160	25.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-01

Date Collected: 09/13/18 08:45

Client ID: VTX-3

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	160	31.	1
Benzoic Acid	ND		ug/kg	530	170	1
Benzyl Alcohol	ND		ug/kg	160	50.	1
Carbazole	ND		ug/kg	160	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	78		18-120

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02
 Client ID: VTX-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 10:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:32
 Analyst: RC
 Percent Solids: 78%

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	210	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02
 Client ID: VTX-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 10:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	48.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-02

Date Collected: 09/13/18 10:50

Client ID: VTX-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	64		18-120

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-03
 Client ID: VTX-16
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:05
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:55
 Analyst: RC
 Percent Solids: 97%

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	19.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	45.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-03
 Client ID: VTX-16
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:05
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	ND		ug/kg	100	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	ND		ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	40.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	70.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	79.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	37.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	27.	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-03

Date Collected: 09/13/18 15:05

Client ID: VTX-16

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	16.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	98		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	61		18-120

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-04
 Client ID: TW-14
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:28
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/17/18 01:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-04
 Client ID: TW-14
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	83		41-149

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-04
 Client ID: TW-14
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 15:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/18/18 18:13
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/17/18 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-04

Date Collected: 09/13/18 15:50

Client ID: TW-14

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	76		41-149

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:54
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/17/18 01:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	6.3	0.62	1
Bis(2-chloroethyl)ether	ND		ug/l	2.5	0.63	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.57	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.50	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.54	1
3,3'-Dichlorobenzidine	ND		ug/l	6.3	2.0	1
2,4-Dinitrotoluene	ND		ug/l	6.3	1.4	1
2,6-Dinitrotoluene	ND		ug/l	6.3	1.2	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.5	0.61	1
4-Bromophenyl phenyl ether	ND		ug/l	2.5	0.47	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.5	0.66	1
Bis(2-chloroethoxy)methane	ND		ug/l	6.3	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	25	0.86	1
Isophorone	ND		ug/l	6.3	1.5	1
Nitrobenzene	ND		ug/l	2.5	0.96	1
NDPA/DPA	ND		ug/l	2.5	0.52	1
n-Nitrosodi-n-propylamine	ND		ug/l	6.3	0.80	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.8	1.9	1
Butyl benzyl phthalate	ND		ug/l	6.3	1.5	1
Di-n-butylphthalate	ND		ug/l	6.3	0.49	1
Di-n-octylphthalate	ND		ug/l	6.3	1.6	1
Diethyl phthalate	ND		ug/l	6.3	0.48	1
Dimethyl phthalate	ND		ug/l	6.3	2.3	1
Biphenyl	ND		ug/l	2.5	0.57	1
4-Chloroaniline	ND		ug/l	6.3	1.3	1
2-Nitroaniline	ND		ug/l	6.3	0.62	1
3-Nitroaniline	ND		ug/l	6.3	1.0	1
4-Nitroaniline	ND		ug/l	6.3	1.0	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.5	0.62	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	12	0.55	1
Acetophenone	ND		ug/l	6.3	0.66	1
2,4,6-Trichlorophenol	ND		ug/l	6.3	0.76	1
p-Chloro-m-cresol	ND		ug/l	2.5	0.44	1
2-Chlorophenol	ND		ug/l	2.5	0.60	1
2,4-Dichlorophenol	ND		ug/l	6.3	0.51	1
2,4-Dimethylphenol	ND		ug/l	6.3	2.2	1
2-Nitrophenol	ND		ug/l	12	1.0	1
4-Nitrophenol	ND		ug/l	12	0.84	1
2,4-Dinitrophenol	ND		ug/l	25	8.3	1
4,6-Dinitro-o-cresol	ND		ug/l	12	2.3	1
Phenol	ND		ug/l	6.3	0.71	1
2-Methylphenol	ND		ug/l	6.3	0.61	1
3-Methylphenol/4-Methylphenol	ND		ug/l	6.3	0.60	1
2,4,5-Trichlorophenol	ND		ug/l	6.3	0.97	1
Benzoic Acid	ND		ug/l	63	3.3	1
Benzyl Alcohol	ND		ug/l	2.5	0.74	1
Carbazole	ND		ug/l	2.5	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		21-120
Phenol-d6	77		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	91		41-149

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-05
 Client ID: TW-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D-SIM
 Analytical Date: 09/18/18 18:39
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/17/18 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.12	0.02	1
2-Chloronaphthalene	ND		ug/l	0.25	0.02	1
Fluoranthene	0.09	J	ug/l	0.12	0.03	1
Hexachlorobutadiene	ND		ug/l	0.62	0.06	1
Naphthalene	ND		ug/l	0.12	0.06	1
Benzo(a)anthracene	ND		ug/l	0.12	0.03	1
Benzo(a)pyrene	0.03	J	ug/l	0.12	0.02	1
Benzo(b)fluoranthene	0.04	J	ug/l	0.12	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.12	0.01	1
Chrysene	ND		ug/l	0.12	0.02	1
Acenaphthylene	ND		ug/l	0.12	0.02	1
Anthracene	ND		ug/l	0.12	0.02	1
Benzo(ghi)perylene	ND		ug/l	0.12	0.02	1
Fluorene	ND		ug/l	0.12	0.02	1
Phenanthrene	0.10	J	ug/l	0.12	0.03	1
Dibenzo(a,h)anthracene	ND		ug/l	0.12	0.02	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.12	0.02	1
Pyrene	0.07	J	ug/l	0.12	0.02	1
2-Methylnaphthalene	ND		ug/l	0.12	0.03	1
Pentachlorophenol	ND		ug/l	1.0	0.02	1
Hexachlorobenzene	ND		ug/l	1.0	0.01	1
Hexachloroethane	ND		ug/l	1.0	0.08	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-05

Date Collected: 09/13/18 13:30

Client ID: TW-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	62		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	90		10-120
4-Terphenyl-d14	81		41-149

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-06
 Client ID: DW-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 03:19
 Analyst: RC
 Percent Solids: 92%

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06
 Client ID: DW-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	24.	1
Pyrene	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	41.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	84.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-06

Date Collected: 09/13/18 16:15

Client ID: DW-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	180	54.	1
Carbazole	ND		ug/kg	180	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	112		10-136
4-Terphenyl-d14	71		18-120

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-07
 Client ID: DW-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 03:43
 Analyst: RC
 Percent Solids: 96%

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 13:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	69	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	5100		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	340		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-07
 Client ID: DW-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1
Benzo(a)anthracene	3100		ug/kg	100	20.	1
Benzo(a)pyrene	3700		ug/kg	140	42.	1
Benzo(b)fluoranthene	5200		ug/kg	100	29.	1
Benzo(k)fluoranthene	1800		ug/kg	100	28.	1
Chrysene	3700		ug/kg	100	18.	1
Acenaphthylene	27	J	ug/kg	140	27.	1
Anthracene	320		ug/kg	100	34.	1
Benzo(ghi)perylene	2700		ug/kg	140	20.	1
Fluorene	78	J	ug/kg	170	17.	1
Phenanthrene	1700		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	620		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	3000		ug/kg	140	24.	1
Pyrene	4400		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	40.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	28	J	ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	830	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	83.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836518-07

Date Collected: 09/13/18 16:20

Client ID: DW-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	260		ug/kg	170	17.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	60		18-120

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 20:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 03:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1157198-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 20:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 03:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1157198-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 20:58
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 09/15/18 03:16

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03,06-07 Batch: WG1157198-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	76		18-120

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/16/18 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157419-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/16/18 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157419-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/16/18 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157419-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	126	J	ug/l
Unknown	40.1	J	ug/l
Unknown Phenol	2.40	J	ug/l
Aldol Condensates	83.3	J	ug/l

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:18
 Analyst: SZ

Extraction Method: EPA 3510C
 Extraction Date: 09/16/18 12:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04-05 Batch: WG1157419-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	79		41-149

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D-SIM
 Analytical Date: 09/18/18 15:10
 Analyst: DV

Extraction Method: EPA 3510C
 Extraction Date: 09/16/18 12:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG1157422-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**Method Blank Analysis**
Batch Quality Control**Analytical Method:** 1,8270D-SIM
Analytical Date: 09/18/18 15:10
Analyst: DV**Extraction Method:** EPA 3510C
Extraction Date: 09/16/18 12:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04-05 Batch: WG1157422-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	73		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1157198-2 WG1157198-3								
Acenaphthene	82		74		31-137	10		50
1,2,4-Trichlorobenzene	79		72		38-107	9		50
Hexachlorobenzene	89		81		40-140	9		50
Bis(2-chloroethyl)ether	75		66		40-140	13		50
2-Chloronaphthalene	87		81		40-140	7		50
1,2-Dichlorobenzene	73		66		40-140	10		50
1,3-Dichlorobenzene	71		66		40-140	7		50
1,4-Dichlorobenzene	72		66		28-104	9		50
3,3'-Dichlorobenzidine	65		60		40-140	8		50
2,4-Dinitrotoluene	97		88		40-132	10		50
2,6-Dinitrotoluene	95		86		40-140	10		50
Fluoranthene	90		81		40-140	11		50
4-Chlorophenyl phenyl ether	86		78		40-140	10		50
4-Bromophenyl phenyl ether	91		81		40-140	12		50
Bis(2-chloroisopropyl)ether	72		65		40-140	10		50
Bis(2-chloroethoxy)methane	80		72		40-117	11		50
Hexachlorobutadiene	74		69		40-140	7		50
Hexachlorocyclopentadiene	83		77		40-140	8		50
Hexachloroethane	72		65		40-140	10		50
Isophorone	81		74		40-140	9		50
Naphthalene	78		72		40-140	8		50
Nitrobenzene	86		78		40-140	10		50
NDPA/DPA	92		82		36-157	11		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1157198-2 WG1157198-3								
n-Nitrosodi-n-propylamine	81		73		32-121	10		50
Bis(2-ethylhexyl)phthalate	96		87		40-140	10		50
Butyl benzyl phthalate	101		89		40-140	13		50
Di-n-butylphthalate	92		84		40-140	9		50
Di-n-octylphthalate	94		84		40-140	11		50
Diethyl phthalate	91		80		40-140	13		50
Dimethyl phthalate	95		85		40-140	11		50
Benzo(a)anthracene	84		76		40-140	10		50
Benzo(a)pyrene	92		85		40-140	8		50
Benzo(b)fluoranthene	88		82		40-140	7		50
Benzo(k)fluoranthene	91		84		40-140	8		50
Chrysene	86		78		40-140	10		50
Acenaphthylene	91		83		40-140	9		50
Anthracene	87		79		40-140	10		50
Benzo(ghi)perylene	87		80		40-140	8		50
Fluorene	88		79		40-140	11		50
Phenanthrene	82		76		40-140	8		50
Dibenzo(a,h)anthracene	84		78		40-140	7		50
Indeno(1,2,3-cd)pyrene	88		82		40-140	7		50
Pyrene	91		80		35-142	13		50
Biphenyl	91		85		54-104	7		50
4-Chloroaniline	51		44		40-140	15		50
2-Nitroaniline	104		97		47-134	7		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1157198-2 WG1157198-3								
3-Nitroaniline	79		72		26-129	9		50
4-Nitroaniline	96		84		41-125	13		50
Dibenzofuran	86		77		40-140	11		50
2-Methylnaphthalene	83		77		40-140	8		50
1,2,4,5-Tetrachlorobenzene	86		80		40-117	7		50
Acetophenone	82		75		14-144	9		50
2,4,6-Trichlorophenol	97		89		30-130	9		50
p-Chloro-m-cresol	98		89		26-103	10		50
2-Chlorophenol	83		75		25-102	10		50
2,4-Dichlorophenol	94		85		30-130	10		50
2,4-Dimethylphenol	92		82		30-130	11		50
2-Nitrophenol	99		91		30-130	8		50
4-Nitrophenol	100		88		11-114	13		50
2,4-Dinitrophenol	70		62		4-130	12		50
4,6-Dinitro-o-cresol	90		82		10-130	9		50
Pentachlorophenol	98		86		17-109	13		50
Phenol	81		74		26-90	9		50
2-Methylphenol	88		78		30-130.	12		50
3-Methylphenol/4-Methylphenol	87		79		30-130	10		50
2,4,5-Trichlorophenol	101		91		30-130	10		50
Benzoic Acid	33		31		10-110	6		50
Benzyl Alcohol	86		76		40-140	12		50
Carbazole	89		80		54-128	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03,06-07 Batch: WG1157198-2 WG1157198-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		72		25-120
Phenol-d6	84		75		10-120
Nitrobenzene-d5	85		78		23-120
2-Fluorobiphenyl	82		76		30-120
2,4,6-Tribromophenol	97		85		10-136
4-Terphenyl-d14	80		71		18-120

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157419-2 WG1157419-3								
Acenaphthene	82		70		37-111	16		30
1,2,4-Trichlorobenzene	78		65		39-98	18		30
Hexachlorobenzene	80		71		40-140	12		30
Bis(2-chloroethyl)ether	89		72		40-140	21		30
2-Chloronaphthalene	83		69		40-140	18		30
1,2-Dichlorobenzene	76		62		40-140	20		30
1,3-Dichlorobenzene	76		61		40-140	22		30
1,4-Dichlorobenzene	75		61		36-97	21		30
3,3'-Dichlorobenzidine	78		69		40-140	12		30
2,4-Dinitrotoluene	93		78		48-143	18		30
2,6-Dinitrotoluene	88		78		40-140	12		30
Fluoranthene	89		78		40-140	13		30
4-Chlorophenyl phenyl ether	85		73		40-140	15		30
4-Bromophenyl phenyl ether	90		73		40-140	21		30
Bis(2-chloroisopropyl)ether	97		79		40-140	20		30
Bis(2-chloroethoxy)methane	95		79		40-140	18		30
Hexachlorobutadiene	70		58		40-140	19		30
Hexachlorocyclopentadiene	67		57		40-140	16		30
Hexachloroethane	75		61		40-140	21		30
Isophorone	95		79		40-140	18		30
Naphthalene	77		65		40-140	17		30
Nitrobenzene	88		76		40-140	15		30
NDPA/DPA	89		74		40-140	18		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157419-2 WG1157419-3								
n-Nitrosodi-n-propylamine	97		82		29-132	17		30
Bis(2-ethylhexyl)phthalate	96		77		40-140	22		30
Butyl benzyl phthalate	89		75		40-140	17		30
Di-n-butylphthalate	87		75		40-140	15		30
Di-n-octylphthalate	94		80		40-140	16		30
Diethyl phthalate	91		78		40-140	15		30
Dimethyl phthalate	89		75		40-140	17		30
Benzo(a)anthracene	91		77		40-140	17		30
Benzo(a)pyrene	93		78		40-140	18		30
Benzo(b)fluoranthene	101		79		40-140	24		30
Benzo(k)fluoranthene	80		82		40-140	2		30
Chrysene	84		75		40-140	11		30
Acenaphthylene	85		72		45-123	17		30
Anthracene	86		73		40-140	16		30
Benzo(ghi)perylene	88		80		40-140	10		30
Fluorene	87		74		40-140	16		30
Phenanthrene	84		75		40-140	11		30
Dibenzo(a,h)anthracene	89		80		40-140	11		30
Indeno(1,2,3-cd)pyrene	86		77		40-140	11		30
Pyrene	86		76		26-127	12		30
Biphenyl	84		71		40-140	17		30
4-Chloroaniline	87		74		40-140	16		30
2-Nitroaniline	84		73		52-143	14		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157419-2 WG1157419-3								
3-Nitroaniline	86		74		25-145	15		30
4-Nitroaniline	87		74		51-143	16		30
Dibenzofuran	84		72		40-140	15		30
2-Methylnaphthalene	80		68		40-140	16		30
1,2,4,5-Tetrachlorobenzene	77		64		2-134	18		30
Acetophenone	87		72		39-129	19		30
2,4,6-Trichlorophenol	90		78		30-130	14		30
p-Chloro-m-cresol	117	Q	109	Q	23-97	7		30
2-Chlorophenol	80		69		27-123	15		30
2,4-Dichlorophenol	95		78		30-130	20		30
2,4-Dimethylphenol	76		82		30-130	8		30
2-Nitrophenol	89		73		30-130	20		30
4-Nitrophenol	75		59		10-80	24		30
2,4-Dinitrophenol	96		86		20-130	11		30
4,6-Dinitro-o-cresol	84		69		20-164	20		30
Pentachlorophenol	84		75		9-103	11		30
Phenol	58		46		12-110	23		30
2-Methylphenol	82		68		30-130	19		30
3-Methylphenol/4-Methylphenol	88		74		30-130	17		30
2,4,5-Trichlorophenol	90		75		30-130	18		30
Benzoic Acid	71		70		10-164	1		30
Benzyl Alcohol	86		74		26-116	15		30
Carbazole	91		81		55-144	12		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04-05 Batch: WG1157419-2 WG1157419-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		52		21-120
Phenol-d6	57		46		10-120
Nitrobenzene-d5	89		76		23-120
2-Fluorobiphenyl	77		68		15-120
2,4,6-Tribromophenol	89		78		10-120
4-Terphenyl-d14	84		76		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1157422-2 WG1157422-3								
Acenaphthene	95		78		40-140	20		40
2-Chloronaphthalene	84		66		40-140	24		40
Fluoranthene	91		81		40-140	12		40
Hexachlorobutadiene	78		52		40-140	40		40
Naphthalene	83		57		40-140	37		40
Benzo(a)anthracene	89		81		40-140	9		40
Benzo(a)pyrene	81		73		40-140	10		40
Benzo(b)fluoranthene	103		94		40-140	9		40
Benzo(k)fluoranthene	94		84		40-140	11		40
Chrysene	92		84		40-140	9		40
Acenaphthylene	94		76		40-140	21		40
Anthracene	91		79		40-140	14		40
Benzo(ghi)perylene	93		84		40-140	10		40
Fluorene	98		82		40-140	18		40
Phenanthrene	87		77		40-140	12		40
Dibenzo(a,h)anthracene	97		89		40-140	9		40
Indeno(1,2,3-cd)pyrene	83		70		40-140	17		40
Pyrene	89		81		40-140	9		40
2-Methylnaphthalene	108		82		40-140	27		40
Pentachlorophenol	101		88		40-140	14		40
Hexachlorobenzene	82		71		40-140	14		40
Hexachloroethane	78		47		40-140	50	Q	40

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04-05 Batch: WG1157422-2 WG1157422-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		32		21-120
Phenol-d6	39		26		10-120
Nitrobenzene-d5	84		56		23-120
2-Fluorobiphenyl	81		67		15-120
2,4,6-Tribromophenol	89		77		10-120
4-Terphenyl-d14	76		71		41-149

METALS

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-01

Date Collected: 09/13/18 08:45

Client ID: VTX-3

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1860		mg/kg	7.62	2.06	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Antimony, Total	ND		mg/kg	3.81	0.290	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Arsenic, Total	1.37		mg/kg	0.762	0.159	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Barium, Total	4.85		mg/kg	0.762	0.133	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Beryllium, Total	0.053	J	mg/kg	0.381	0.025	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.762	0.075	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Calcium, Total	106		mg/kg	7.62	2.67	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Chromium, Total	3.37		mg/kg	0.762	0.073	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Cobalt, Total	0.724	J	mg/kg	1.52	0.126	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Copper, Total	1.81		mg/kg	0.762	0.197	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Iron, Total	2590		mg/kg	3.81	0.688	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Lead, Total	1.25	J	mg/kg	3.81	0.204	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Magnesium, Total	52.3		mg/kg	7.62	1.17	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Manganese, Total	28.3		mg/kg	0.762	0.121	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Mercury, Total	ND		mg/kg	0.064	0.013	1	09/20/18 04:50	09/20/18 12:27	EPA 7471B	1,7471B	MG
Nickel, Total	0.747	J	mg/kg	1.91	0.184	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Potassium, Total	67.6	J	mg/kg	191	11.0	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Selenium, Total	ND		mg/kg	1.52	0.197	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.762	0.216	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Sodium, Total	10.4	J	mg/kg	152	2.40	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.52	0.240	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Vanadium, Total	5.43		mg/kg	0.762	0.155	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE
Zinc, Total	2.16	J	mg/kg	3.81	0.223	2	09/20/18 07:20	09/20/18 10:06	EPA 3050B	1,6010D	PE



Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-02

Date Collected: 09/13/18 10:50

Client ID: VTX-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2220		mg/kg	9.86	2.66	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.93	0.375	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Arsenic, Total	1.75		mg/kg	0.986	0.205	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Barium, Total	7.14		mg/kg	0.986	0.172	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Beryllium, Total	0.039	J	mg/kg	0.493	0.033	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.986	0.097	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Calcium, Total	124		mg/kg	9.86	3.45	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Chromium, Total	3.66		mg/kg	0.986	0.095	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Cobalt, Total	1.26	J	mg/kg	1.97	0.164	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Copper, Total	1.65		mg/kg	0.986	0.254	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Iron, Total	2870		mg/kg	4.93	0.890	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Lead, Total	2.01	J	mg/kg	4.93	0.264	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Magnesium, Total	123		mg/kg	9.86	1.52	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Manganese, Total	53.7		mg/kg	0.986	0.157	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.080	0.017	1	09/20/18 04:50	09/20/18 12:29	EPA 7471B	1,7471B	MG
Nickel, Total	1.12	J	mg/kg	2.46	0.238	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Potassium, Total	139	J	mg/kg	246	14.2	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.97	0.254	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.986	0.279	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Sodium, Total	13.6	J	mg/kg	197	3.10	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.97	0.310	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Vanadium, Total	5.01		mg/kg	0.986	0.200	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC
Zinc, Total	15.2		mg/kg	4.93	0.289	2	09/20/18 07:20	09/20/18 11:39	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06

Date Collected: 09/13/18 16:15

Client ID: DW-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	762		mg/kg	8.48	2.29	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Arsenic, Total	0.865		mg/kg	0.848	0.176	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Barium, Total	9.26		mg/kg	0.848	0.148	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.424	0.028	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Cadmium, Total	0.144	J	mg/kg	0.848	0.083	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Calcium, Total	355		mg/kg	8.48	2.97	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Chromium, Total	6.79		mg/kg	0.848	0.081	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Cobalt, Total	0.780	J	mg/kg	1.70	0.141	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Copper, Total	41.6		mg/kg	0.848	0.219	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Iron, Total	3060		mg/kg	4.24	0.766	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Lead, Total	8.04		mg/kg	4.24	0.227	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Magnesium, Total	249		mg/kg	8.48	1.31	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Manganese, Total	16.0		mg/kg	0.848	0.135	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Mercury, Total	0.017	J	mg/kg	0.069	0.015	1	09/20/18 04:50	09/20/18 12:34	EPA 7471B	1,7471B	MG
Nickel, Total	1.48	J	mg/kg	2.12	0.205	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Potassium, Total	100	J	mg/kg	212	12.2	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Silver, Total	98.8		mg/kg	0.848	0.240	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Sodium, Total	15.2	J	mg/kg	170	2.67	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Vanadium, Total	2.58		mg/kg	0.848	0.172	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC
Zinc, Total	47.4		mg/kg	4.24	0.248	2	09/20/18 07:20	09/20/18 11:44	EPA 3050B	1,6010D	LC



Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,06 Batch: WG1158773-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	09/20/18 04:50	09/20/18 11:58	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,06 Batch: WG1158798-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Iron, Total	0.572	J	mg/kg	2.00	0.361	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Manganese, Total	0.668		mg/kg	0.400	0.064	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Potassium, Total	ND		mg/kg	100	5.76	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/20/18 07:20	09/20/18 09:25	1,6010D	PE

Project Name: NEWSDAY

Lab Number: L1836518

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 Batch: WG1158773-2 SRM Lot Number: D102-540								
Mercury, Total	105		-		65-134	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 Batch: WG1158798-2 SRM Lot Number: D102-540					
Aluminum, Total	64	-	49-150	-	
Antimony, Total	153	-	1-199	-	
Arsenic, Total	95	-	83-117	-	
Barium, Total	89	-	83-118	-	
Beryllium, Total	93	-	83-116	-	
Cadmium, Total	100	-	83-118	-	
Calcium, Total	90	-	82-118	-	
Chromium, Total	91	-	83-117	-	
Cobalt, Total	94	-	84-116	-	
Copper, Total	94	-	84-116	-	
Iron, Total	74	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	79	-	76-124	-	
Manganese, Total	86	-	82-118	-	
Nickel, Total	95	-	83-117	-	
Potassium, Total	80	-	70-130	-	
Selenium, Total	94	-	79-121	-	
Silver, Total	95	-	80-120	-	
Sodium, Total	93	-	74-126	-	
Thallium, Total	99	-	81-119	-	
Vanadium, Total	89	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control**Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 Batch: WG1158798-2 SRM Lot Number: D102-540					
Zinc, Total	90	-	81-118	-	

Matrix Spike Analysis Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1158773-3 QC Sample: L1835805-01 Client ID: MS Sample												
Mercury, Total	0.928	0.476	0.903	0	Q	-	-		80-120	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1158798-3 QC Sample: L1836508-01 Client ID: MS Sample									
Aluminum, Total	2850	180	3460	338	Q	-	75-125	-	20
Antimony, Total	0.268J	45.1	38.3	85		-	75-125	-	20
Arsenic, Total	4.41	10.8	14.5	93		-	75-125	-	20
Barium, Total	13.8	180	172	88		-	75-125	-	20
Beryllium, Total	0.085J	4.51	3.65	81		-	75-125	-	20
Cadmium, Total	0.183J	4.6	4.05	88		-	75-125	-	20
Calcium, Total	4300	902	7340	337	Q	-	75-125	-	20
Chromium, Total	4.28	18	19.0	82		-	75-125	-	20
Cobalt, Total	2.61	45.1	38.6	80		-	75-125	-	20
Copper, Total	18.6	22.6	37.5	84		-	75-125	-	20
Iron, Total	7690	90.2	8320	698	Q	-	75-125	-	20
Lead, Total	3.74	46	41.8	83		-	75-125	-	20
Magnesium, Total	1880	902	3620	193	Q	-	75-125	-	20
Manganese, Total	74.1	45.1	112	84		-	75-125	-	20
Nickel, Total	6.39	45.1	41.9	79		-	75-125	-	20
Potassium, Total	275.	902	1120	94		-	75-125	-	20
Selenium, Total	ND	10.8	8.82	81		-	75-125	-	20
Silver, Total	ND	27.1	23.5	87		-	75-125	-	20
Sodium, Total	197.	902	992	88		-	75-125	-	20
Thallium, Total	ND	10.8	8.27	76		-	75-125	-	20
Vanadium, Total	8.03	45.1	45.1	82		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1158798-3 QC Sample: L1836508-01 Client ID: MS Sample									
Zinc, Total	29.6	45.1	68.5	86	-	-	75-125	-	20

Project Name: NEWSDAY
Project Number: 52692

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1836518
Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1158773-4 QC Sample: L1835805-01 Client ID: DUP Sample						
Mercury, Total	0.928	0.283	mg/kg	107	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02,06 QC Batch ID: WG1158798-4 QC Sample: L1836508-01 Client ID: DUP Sample						
Arsenic, Total	4.41	4.60	mg/kg	4		20
Barium, Total	13.8	14.9	mg/kg	8		20
Cadmium, Total	0.183J	0.197J	mg/kg	NC		20
Chromium, Total	4.28	4.75	mg/kg	10		20
Lead, Total	3.74	4.34	mg/kg	15		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836518-01**Client ID:** VTX-3**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 08:45**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.6		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836518-02**Client ID:** VTX-5**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 10:50**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.9		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836518-03**Client ID:** VTX-16**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 15:05**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.5		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836518

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836518-06

Client ID: DW-1

Sample Location: MELVILLE, NY

Date Collected: 09/13/18 16:15

Date Received: 09/13/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836518**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836518-07**Client ID:** DW-2**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 16:20**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY

Project Number: 52692

Lab Duplicate Analysis*Batch Quality Control***Lab Number:** L1836518**Report Date:** 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,06-07 QC Batch ID: WG1157620-1 QC Sample: L1836520-04 Client ID: DUP Sample						
Solids, Total	96.1	96.1	%	0		20

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201815:07
Lab Number: L1836518
Report Date: 09/20/18

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836518-01A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1836518-01B	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-01C	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-01D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1836518-01E	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836518-01F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14)
L1836518-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L1836518-01Y	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-01Z	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-02A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1836518-02B	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-02C	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-02D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1836518-02E	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836518-02F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14)
L1836518-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L1836518-02Y	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-02Z	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)

Project Name: NEWSDAY
Project Number: 52692

Serial_No:09201815:07
Lab Number: L1836518
Report Date: 09/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836518-03A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1836518-03B	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-03C	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-03D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1836518-03E	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14)
L1836518-03X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L1836518-03Y	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-03Z	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-04A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-04B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-04C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-04D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836518-04E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836518-05A	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-05B	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-05C	Vial HCl preserved	A	NA		2.4	Y	Absent		NYTCL-8260(14)
L1836518-05D	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836518-05E	Amber 250ml unpreserved	A	7	7	2.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L1836518-06A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1836518-06B	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-06C	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-06D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1836518-06E	Glass 60mL/2oz unpreserved	A	NA		2.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1836518-06F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14)
L1836518-06X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L1836518-06Y	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)

Project Name: NEWSDAY
Project Number: 52692

Serial_No:09201815:07
Lab Number: L1836518
Report Date: 09/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836518-06Z	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-07A	Vial MeOH preserved	A	NA		2.4	Y	Absent		NYTCL-8260HLW(14)
L1836518-07B	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-07C	Vial water preserved	A	NA		2.4	Y	Absent	14-SEP-18 08:01	NYTCL-8260HLW(14)
L1836518-07D	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L1836518-07F	Glass 120ml/4oz unpreserved	A	NA		2.4	Y	Absent		NYTCL-8270(14)
L1836518-07X	Vial MeOH preserved split	NA	NA			Y	Absent		NYTCL-8260HLW(14)
L1836518-07Y	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)
L1836518-07Z	Vial Water preserved split	NA	NA			Y	Absent	19-SEP-18 11:06	NYTCL-8260HLW(14)

Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY**Lab Number:** L1836518**Project Number:** 52692**Report Date:** 09/20/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836518
Report Date: 09/20/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 9/14/18		ALPHA Job # L1836518																																															
		Project Information Project Name: <u>Newsday</u> Project Location: <u>Melville, NY</u> Project # <u>52692</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #																																																	
Client Information Client: <u>Vertex</u> Address: <u>3322 US 22 West</u> <u>Branchburg, NJ 08876 St. 907</u> Phone: <u>908-448-2627</u> Fax: Email: <u>ccook@vertex.com</u>		Project Manager: <u>Chris Cook</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days: <u>5 DAYS</u>		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments																																															
Please specify Metals or TAL.						VOC SVOC TAL Metals		Total Bottles																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>36518-01</td> <td>VTX-3</td> <td>9/13/18</td> <td>0845</td> <td>S</td> <td>WS</td> </tr> <tr> <td>-02</td> <td>VTX-5</td> <td></td> <td>10:50</td> <td>S</td> <td></td> </tr> <tr> <td>-03</td> <td>VTX-16</td> <td></td> <td>15:05</td> <td>S</td> <td></td> </tr> <tr> <td>-04</td> <td>TW-14</td> <td></td> <td>15:50</td> <td>GW</td> <td></td> </tr> <tr> <td>-05</td> <td>TW-5</td> <td></td> <td>13:30</td> <td>GW</td> <td></td> </tr> <tr> <td>-06</td> <td>DW-1</td> <td></td> <td>16:15</td> <td>SE</td> <td></td> </tr> <tr> <td>-07</td> <td>DW-2</td> <td></td> <td>16:20</td> <td>SE</td> <td></td> </tr> </tbody> </table>										ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	Date	Time	36518-01	VTX-3	9/13/18	0845	S	WS	-02	VTX-5		10:50	S		-03	VTX-16		15:05	S		-04	TW-14		15:50	GW		-05	TW-5		13:30	GW		-06	DW-1		16:15	SE		-07	DW-2
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-06	DW-1		16:15	SE																																																			
-07	DW-2		16:20	SE																																																			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V/P A A Preservative A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																															
Relinquished By:		Date/Time		Received By:		Date/Time																																																	
<u>W. Wagner</u>		<u>9/13/18 17:20</u>		<u>George Wagner</u>		<u>9/13/18 1720</u>																																																	
<u>Paul Mazzella</u>		<u>9/13/18 2005</u>		<u>Paul Mazzella</u>		<u>9/13/18 2007</u>																																																	
<u>Paul Mazzella</u>		<u>9/14/18 12:45</u>		<u>Paul Mazzella</u>		<u>9/14/18 0135</u>																																																	



ANALYTICAL REPORT

Lab Number:	L1836519
Client:	The Vertex Companies, Inc. 3322 US Highway 22 West Suite 907 Branchburg, NJ 08876
ATTN:	Chris Cook
Phone:	(908) 333-4303
Project Name:	NEWSDAY
Project Number:	52692
Report Date:	09/20/18

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1836519-01	CC-1	SOLID	MELVILLE, NY	09/13/18 12:20	09/13/18
L1836519-02	CC-2	SOLID	MELVILLE, NY	09/13/18 12:30	09/13/18
L1836519-03	CC-3	SOLID	MELVILLE, NY	09/13/18 12:35	09/13/18
L1836519-04	CC-4	SOLID	MELVILLE, NY	09/13/18 13:50	09/13/18
L1836519-05	CC-5	SOLID	MELVILLE, NY	09/13/18 14:10	09/13/18

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

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

Please contact Client Services at 800-624-9220 with any questions.

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

Case Narrative (continued)

Report Submission

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

Volatile Organics

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

L1836519-01: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (19%), possibly due to the matrix effect caused by the high pH of the sample (>10).

L1836519-02: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

L1836519-02: The surrogate recovery is outside the acceptance criteria for toluene-d8 (140%) and 4-bromofluorobenzene (138%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1836519-03: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (24%), possibly due to the matrix effect caused by the high pH of the sample (>10).

L1836519-03: The surrogate recovery for toluene-d8 (139%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

L1836519-04: The surrogate recovery for 1,2-dichloroethane-d4 (137%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

Semivolatile Organics

L1836519-01, -02 and -05: The sample has elevated detection limits due to the dilution required by the sample matrix.

L1836519-01: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (15%) and 2,4,6-tribromophenol (0%), due to the concrete matrix effect of the sample. No further action was

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

Case Narrative (continued)

taken.

L1836519-02: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (17%) and 2,4,6-tribromophenol (12%), due to the concrete matrix effect of the sample. No further action was taken.

L1836519-03: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (7%) and 2,4,6-tribromophenol (0%), due to the concrete matrix effect of the sample. No further action was taken.

L1836519-04: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (11%) and 2,4,6-tribromophenol (0%), due to the concrete matrix effect of the sample. No further action was taken.

L1836519-05: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (16%) and 2,4,6-tribromophenol (10%), due to the concrete matrix effect of the sample. No further action was taken.

The WG1157279-3 LCSD recovery, associated with L1836519-01 through -05, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

PCBs

L1836519-03 and -04: The internal standard (IS) response for 1-bromo-2-nitrobenzene was above the acceptance criteria; however, the sample was not re-analyzed due to obvious interferences. Since the IS response was above method criteria, all associated compounds are considered to have a potentially low bias.

L1836519-03: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (9%) and decachlorobiphenyl (10%) due to interference with the Internal Standard.

L1836519-04: The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (19%) and decachlorobiphenyl (22%) due to interference with the Internal Standard.

Total Metals

L1836519-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1158377-1 Method Blank, associated with L1836519-01 through -05, has a concentration above the reporting limit for calcium. Since the associated sample concentrations are greater than 10x the blank

Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

Case Narrative (continued)

concentration for this analyte, no corrective action is required.

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

Authorized Signature:



Amita Naik

Title: Technical Director/Representative

Date: 09/20/18

ORGANICS

VOLATILES

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01
 Client ID: CC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 12:43
 Analyst: MV
 Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	0.27	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01
 Client ID: CC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	1.5	J	ug/kg	2.0	0.56	1
o-Xylene	1.0		ug/kg	1.0	0.29	1
Xylenes, Total	2.5	J	ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.91	1
Acetone	17		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	7.5	J	ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	1
4-Methyl-2-pentanone	1.6	J	ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	0.13	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	7.5		ug/kg	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01
 Client ID: CC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	0.46	J	ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	1.5	J	ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	6.1		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	100	35.	1
p-Diethylbenzene	0.78	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	2.4		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	0.95	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	19	Q	70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Analytical Method: 1,8260C

Analytical Date: 09/19/18 11:01

Analyst: MV

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	1000	480	4
1,1-Dichloroethane	ND		ug/kg	210	30.	4
Chloroform	ND		ug/kg	310	29.	4
Carbon tetrachloride	ND		ug/kg	210	48.	4
1,2-Dichloropropane	ND		ug/kg	210	26.	4
Dibromochloromethane	ND		ug/kg	210	29.	4
1,1,2-Trichloroethane	ND		ug/kg	210	56.	4
Tetrachloroethene	ND		ug/kg	100	41.	4
Chlorobenzene	ND		ug/kg	100	26.	4
Trichlorofluoromethane	ND		ug/kg	830	140	4
1,2-Dichloroethane	ND		ug/kg	210	54.	4
1,1,1-Trichloroethane	ND		ug/kg	100	35.	4
Bromodichloromethane	ND		ug/kg	100	23.	4
trans-1,3-Dichloropropene	ND		ug/kg	210	57.	4
cis-1,3-Dichloropropene	ND		ug/kg	100	33.	4
1,3-Dichloropropene, Total	ND		ug/kg	100	33.	4
1,1-Dichloropropene	ND		ug/kg	100	33.	4
Bromoform	ND		ug/kg	830	51.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	100	35.	4
Benzene	ND		ug/kg	100	35.	4
Toluene	140	J	ug/kg	210	110	4
Ethylbenzene	38	J	ug/kg	210	29.	4
Chloromethane	ND		ug/kg	830	190	4
Bromomethane	ND		ug/kg	420	120	4
Vinyl chloride	ND		ug/kg	210	70.	4
Chloroethane	ND		ug/kg	420	94.	4
1,1-Dichloroethene	ND		ug/kg	210	50.	4
trans-1,2-Dichloroethene	ND		ug/kg	310	28.	4

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	100	28.	4
1,2-Dichlorobenzene	ND		ug/kg	420	30.	4
1,3-Dichlorobenzene	ND		ug/kg	420	31.	4
1,4-Dichlorobenzene	ND		ug/kg	420	36.	4
Methyl tert butyl ether	ND		ug/kg	420	42.	4
p/m-Xylene	280	J	ug/kg	420	120	4
o-Xylene	240		ug/kg	210	61.	4
Xylenes, Total	520	J	ug/kg	210	61.	4
cis-1,2-Dichloroethene	ND		ug/kg	210	36.	4
1,2-Dichloroethene, Total	ND		ug/kg	210	28.	4
Dibromomethane	ND		ug/kg	420	50.	4
Styrene	ND		ug/kg	210	41.	4
Dichlorodifluoromethane	ND		ug/kg	2100	190	4
Acetone	ND		ug/kg	2100	1000	4
Carbon disulfide	ND		ug/kg	2100	950	4
2-Butanone	ND		ug/kg	2100	460	4
Vinyl acetate	ND		ug/kg	2100	450	4
4-Methyl-2-pentanone	ND		ug/kg	2100	270	4
1,2,3-Trichloropropane	ND		ug/kg	420	26.	4
2-Hexanone	ND		ug/kg	2100	250	4
Bromochloromethane	ND		ug/kg	420	43.	4
2,2-Dichloropropane	ND		ug/kg	420	42.	4
1,2-Dibromoethane	ND		ug/kg	210	58.	4
1,3-Dichloropropane	ND		ug/kg	420	35.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	100	28.	4
Bromobenzene	ND		ug/kg	420	30.	4
n-Butylbenzene	2600		ug/kg	210	35.	4
sec-Butylbenzene	890		ug/kg	210	30.	4
tert-Butylbenzene	64	J	ug/kg	420	25.	4
o-Chlorotoluene	ND		ug/kg	420	40.	4
p-Chlorotoluene	ND		ug/kg	420	22.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	620	210	4
Hexachlorobutadiene	ND		ug/kg	830	35.	4
Isopropylbenzene	100	J	ug/kg	210	23.	4
p-Isopropyltoluene	1200		ug/kg	210	23.	4
Naphthalene	2500		ug/kg	830	140	4
Acrylonitrile	ND		ug/kg	830	240	4

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	710		ug/kg	210	36.	4
1,2,3-Trichlorobenzene	ND		ug/kg	420	67.	4
1,2,4-Trichlorobenzene	ND		ug/kg	420	57.	4
1,3,5-Trimethylbenzene	4000		ug/kg	420	40.	4
1,2,4-Trimethylbenzene	15000		ug/kg	420	70.	4
1,4-Dioxane	ND		ug/kg	21000	7300	4
p-Diethylbenzene	12000		ug/kg	420	37.	4
p-Ethyltoluene	4600		ug/kg	420	80.	4
1,2,4,5-Tetramethylbenzene	4100		ug/kg	420	40.	4
Ethyl ether	ND		ug/kg	420	71.	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1000	300	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	140	Q	70-130
4-Bromofluorobenzene	138	Q	70-130
Dibromofluoromethane	88		70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 13:08
 Analyst: JC
 Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	97		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	4.0	J	ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	100	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	139	Q	70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	24	Q	70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260C
 Analytical Date: 09/19/18 11:26
 Analyst: MV
 Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	ND		ug/kg	53	7.7	1
Chloroform	ND		ug/kg	79	7.4	1
Carbon tetrachloride	ND		ug/kg	53	12.	1
1,2-Dichloropropane	ND		ug/kg	53	6.6	1
Dibromochloromethane	ND		ug/kg	53	7.4	1
1,1,2-Trichloroethane	ND		ug/kg	53	14.	1
Tetrachloroethene	ND		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.7	1
Trichlorofluoromethane	ND		ug/kg	210	37.	1
1,2-Dichloroethane	ND		ug/kg	53	14.	1
1,1,1-Trichloroethane	ND		ug/kg	26	8.8	1
Bromodichloromethane	ND		ug/kg	26	5.8	1
trans-1,3-Dichloropropene	ND		ug/kg	53	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.4	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.4	1
1,1-Dichloropropene	ND		ug/kg	26	8.4	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.8	1
Benzene	ND		ug/kg	26	8.8	1
Toluene	40	J	ug/kg	53	29.	1
Ethylbenzene	130		ug/kg	53	7.5	1
Chloromethane	ND		ug/kg	210	49.	1
Bromomethane	50	J	ug/kg	100	31.	1
Vinyl chloride	ND		ug/kg	53	18.	1
Chloroethane	ND		ug/kg	100	24.	1
1,1-Dichloroethene	ND		ug/kg	53	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	79	7.2	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	26	7.2	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.8	1
1,4-Dichlorobenzene	ND		ug/kg	100	9.0	1
Methyl tert butyl ether	ND		ug/kg	100	11.	1
p/m-Xylene	1100		ug/kg	100	30.	1
o-Xylene	760		ug/kg	53	15.	1
Xylenes, Total	1900		ug/kg	53	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	53	9.3	1
1,2-Dichloroethene, Total	ND		ug/kg	53	7.2	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	53	10.	1
Dichlorodifluoromethane	ND		ug/kg	530	48.	1
Acetone	ND		ug/kg	530	250	1
Carbon disulfide	ND		ug/kg	530	240	1
2-Butanone	ND		ug/kg	530	120	1
Vinyl acetate	ND		ug/kg	530	110	1
4-Methyl-2-pentanone	ND		ug/kg	530	68.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.7	1
2-Hexanone	ND		ug/kg	530	62.	1
Bromochloromethane	ND		ug/kg	100	11.	1
2,2-Dichloropropane	ND		ug/kg	100	11.	1
1,2-Dibromoethane	ND		ug/kg	53	15.	1
1,3-Dichloropropane	ND		ug/kg	100	8.8	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	7.0	1
Bromobenzene	ND		ug/kg	100	7.7	1
n-Butylbenzene	84		ug/kg	53	8.8	1
sec-Butylbenzene	40	J	ug/kg	53	7.7	1
tert-Butylbenzene	ND		ug/kg	100	6.2	1
o-Chlorotoluene	ND		ug/kg	100	10.	1
p-Chlorotoluene	ND		ug/kg	100	5.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	53.	1
Hexachlorobutadiene	ND		ug/kg	210	8.9	1
Isopropylbenzene	14	J	ug/kg	53	5.8	1
p-Isopropyltoluene	41	J	ug/kg	53	5.8	1
Naphthalene	840		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	61.	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	21	J	ug/kg	53	9.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	70	J	ug/kg	100	10.	1
1,2,4-Trimethylbenzene	280		ug/kg	100	18.	1
1,4-Dioxane	ND		ug/kg	5300	1800	1
p-Diethylbenzene	440		ug/kg	100	9.4	1
p-Ethyltoluene	100		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	260		ug/kg	100	10.	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	75.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	137	Q	70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	110		70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05
 Client ID: CC-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 14:10
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8260C
 Analytical Date: 09/20/18 11:14
 Analyst: NLK
 Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	250	120	1
1,1-Dichloroethane	ND		ug/kg	50	7.3	1
Chloroform	ND		ug/kg	76	7.1	1
Carbon tetrachloride	ND		ug/kg	50	12.	1
1,2-Dichloropropane	ND		ug/kg	50	6.3	1
Dibromochloromethane	ND		ug/kg	50	7.1	1
1,1,2-Trichloroethane	ND		ug/kg	50	13.	1
Tetrachloroethene	ND		ug/kg	25	9.9	1
Chlorobenzene	ND		ug/kg	25	6.4	1
Trichlorofluoromethane	ND		ug/kg	200	35.	1
1,2-Dichloroethane	ND		ug/kg	50	13.	1
1,1,1-Trichloroethane	ND		ug/kg	25	8.4	1
Bromodichloromethane	ND		ug/kg	25	5.5	1
trans-1,3-Dichloropropene	ND		ug/kg	50	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	8.0	1
1,3-Dichloropropene, Total	ND		ug/kg	25	8.0	1
1,1-Dichloropropene	ND		ug/kg	25	8.0	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.4	1
Benzene	ND		ug/kg	25	8.4	1
Toluene	ND		ug/kg	50	27.	1
Ethylbenzene	ND		ug/kg	50	7.1	1
Chloromethane	ND		ug/kg	200	47.	1
Bromomethane	38	J	ug/kg	100	29.	1
Vinyl chloride	ND		ug/kg	50	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	50	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	76	6.9	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05
 Client ID: CC-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 14:10
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/kg	25	6.9	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.3	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.5	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.6	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	28.	1
o-Xylene	15	J	ug/kg	50	15.	1
Xylenes, Total	15	J	ug/kg	50	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8	1
1,2-Dichloroethene, Total	ND		ug/kg	50	6.9	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	50	9.9	1
Dichlorodifluoromethane	ND		ug/kg	500	46.	1
Acetone	ND		ug/kg	500	240	1
Carbon disulfide	ND		ug/kg	500	230	1
2-Butanone	ND		ug/kg	500	110	1
Vinyl acetate	ND		ug/kg	500	110	1
4-Methyl-2-pentanone	ND		ug/kg	500	65.	1
1,2,3-Trichloropropane	45	J	ug/kg	100	6.4	1
2-Hexanone	ND		ug/kg	500	60.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	50	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.7	1
Bromobenzene	ND		ug/kg	100	7.3	1
n-Butylbenzene	73		ug/kg	50	8.4	1
sec-Butylbenzene	39	J	ug/kg	50	7.4	1
tert-Butylbenzene	ND		ug/kg	100	6.0	1
o-Chlorotoluene	ND		ug/kg	100	9.6	1
p-Chlorotoluene	ND		ug/kg	100	5.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.	1
Hexachlorobutadiene	ND		ug/kg	200	8.5	1
Isopropylbenzene	27	J	ug/kg	50	5.5	1
p-Isopropyltoluene	150		ug/kg	50	5.5	1
Naphthalene	430		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	58.	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05
 Client ID: CC-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 14:10
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	120		ug/kg	50	8.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	490		ug/kg	100	9.7	1
1,2,4-Trimethylbenzene	1500		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	5000	1800	1
p-Diethylbenzene	970		ug/kg	100	8.9	1
p-Ethyltoluene	710		ug/kg	100	19.	1
1,2,4,5-Tetramethylbenzene	210		ug/kg	100	9.6	1
Ethyl ether	ND		ug/kg	100	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	72.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	90		70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1158839-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	36	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1158839-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1158839-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	86		70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1158842-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.73	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1158842-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/19/18 09:05
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01,03 Batch: WG1158842-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	100	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	124		70-130
Dibromofluoromethane	86		70-130

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/20/18 08:38
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1158942-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	77	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/20/18 08:38
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1158942-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/20/18 08:38
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG1158942-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	5000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	92		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1158839-3 WG1158839-4								
Methylene chloride	99		98		70-130	1		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	98		94		70-130	4		30
Carbon tetrachloride	86		85		70-130	1		30
1,2-Dichloropropane	112		110		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	114		115		70-130	1		30
Tetrachloroethene	86		85		70-130	1		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	87		87		70-139	0		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	91		89		70-130	2		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	112		111		70-130	1		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	130		127		70-130	2		30
Benzene	98		96		70-130	2		30
Toluene	104		103		70-130	1		30
Ethylbenzene	105		103		70-130	2		30
Chloromethane	106		106		52-130	0		30
Bromomethane	108		106		57-147	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1158839-3 WG1158839-4								
Vinyl chloride	83		82		67-130	1		30
Chloroethane	95		97		50-151	2		30
1,1-Dichloroethene	92		91		65-135	1		30
trans-1,2-Dichloroethene	93		91		70-130	2		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	99		99		70-130	0		30
1,3-Dichlorobenzene	100		99		70-130	1		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	98		97		66-130	1		30
p/m-Xylene	98		98		70-130	0		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	92		91		70-130	1		30
Dibromomethane	95		93		70-130	2		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	69		68		30-146	1		30
Acetone	124		125		54-140	1		30
Carbon disulfide	95		94		59-130	1		30
2-Butanone	127		129		70-130	2		30
Vinyl acetate	123		123		70-130	0		30
4-Methyl-2-pentanone	134	Q	135	Q	70-130	1		30
1,2,3-Trichloropropane	133	Q	130		68-130	2		30
2-Hexanone	134	Q	134	Q	70-130	0		30
Bromochloromethane	86		84		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1158839-3 WG1158839-4								
2,2-Dichloropropane	96		94		70-130	2		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	117		115		69-130	2		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	99		98		70-130	1		30
n-Butylbenzene	119		117		70-130	2		30
sec-Butylbenzene	114		109		70-130	4		30
tert-Butylbenzene	107		106		70-130	1		30
o-Chlorotoluene	135	Q	131	Q	70-130	3		30
p-Chlorotoluene	118		117		70-130	1		30
1,2-Dibromo-3-chloropropane	97		97		68-130	0		30
Hexachlorobutadiene	89		88		67-130	1		30
Isopropylbenzene	112		113		70-130	1		30
p-Isopropyltoluene	106		106		70-130	0		30
Naphthalene	105		105		70-130	0		30
Acrylonitrile	128		127		70-130	1		30
n-Propylbenzene	121		120		70-130	1		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	93		93		70-130	0		30
1,3,5-Trimethylbenzene	112		110		70-130	2		30
1,2,4-Trimethylbenzene	110		110		70-130	0		30
1,4-Dioxane	94		94		65-136	0		30
p-Diethylbenzene	101		101		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1158839-3 WG1158839-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	102		101		67-130	1		30
trans-1,4-Dichloro-2-butene	140	Q	136	Q	70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	111		111		70-130
4-Bromofluorobenzene	118		116		70-130
Dibromofluoromethane	90		90		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1158842-3 WG1158842-4								
Methylene chloride	99		98		70-130	1		30
1,1-Dichloroethane	108		108		70-130	0		30
Chloroform	98		94		70-130	4		30
Carbon tetrachloride	86		85		70-130	1		30
1,2-Dichloropropane	112		110		70-130	2		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	114		115		70-130	1		30
Tetrachloroethene	86		85		70-130	1		30
Chlorobenzene	98		96		70-130	2		30
Trichlorofluoromethane	87		87		70-139	0		30
1,2-Dichloroethane	100		98		70-130	2		30
1,1,1-Trichloroethane	91		89		70-130	2		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	112		111		70-130	1		30
cis-1,3-Dichloropropene	100		99		70-130	1		30
1,1-Dichloropropene	100		99		70-130	1		30
Bromoform	98		97		70-130	1		30
1,1,2,2-Tetrachloroethane	130		127		70-130	2		30
Benzene	98		96		70-130	2		30
Toluene	104		103		70-130	1		30
Ethylbenzene	105		103		70-130	2		30
Chloromethane	106		106		52-130	0		30
Bromomethane	108		106		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1158842-3 WG1158842-4								
Vinyl chloride	83		82		67-130	1		30
Chloroethane	95		97		50-151	2		30
1,1-Dichloroethene	92		91		65-135	1		30
trans-1,2-Dichloroethene	93		91		70-130	2		30
Trichloroethene	92		90		70-130	2		30
1,2-Dichlorobenzene	99		99		70-130	0		30
1,3-Dichlorobenzene	100		99		70-130	1		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	98		97		66-130	1		30
p/m-Xylene	98		98		70-130	0		30
o-Xylene	97		97		70-130	0		30
cis-1,2-Dichloroethene	92		91		70-130	1		30
Dibromomethane	95		93		70-130	2		30
Styrene	100		98		70-130	2		30
Dichlorodifluoromethane	69		68		30-146	1		30
Acetone	124		125		54-140	1		30
Carbon disulfide	95		94		59-130	1		30
2-Butanone	127		129		70-130	2		30
Vinyl acetate	123		123		70-130	0		30
4-Methyl-2-pentanone	134	Q	135	Q	70-130	1		30
1,2,3-Trichloropropane	133	Q	130		68-130	2		30
2-Hexanone	134	Q	134	Q	70-130	0		30
Bromochloromethane	86		84		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1158842-3 WG1158842-4								
2,2-Dichloropropane	96		94		70-130	2		30
1,2-Dibromoethane	102		100		70-130	2		30
1,3-Dichloropropane	117		115		69-130	2		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	99		98		70-130	1		30
n-Butylbenzene	119		117		70-130	2		30
sec-Butylbenzene	114		109		70-130	4		30
tert-Butylbenzene	107		106		70-130	1		30
o-Chlorotoluene	135	Q	131	Q	70-130	3		30
p-Chlorotoluene	118		117		70-130	1		30
1,2-Dibromo-3-chloropropane	97		97		68-130	0		30
Hexachlorobutadiene	89		88		67-130	1		30
Isopropylbenzene	112		113		70-130	1		30
p-Isopropyltoluene	106		106		70-130	0		30
Naphthalene	105		105		70-130	0		30
Acrylonitrile	128		127		70-130	1		30
n-Propylbenzene	121		120		70-130	1		30
1,2,3-Trichlorobenzene	94		95		70-130	1		30
1,2,4-Trichlorobenzene	93		93		70-130	0		30
1,3,5-Trimethylbenzene	112		110		70-130	2		30
1,2,4-Trimethylbenzene	110		110		70-130	0		30
1,4-Dioxane	94		94		65-136	0		30
p-Diethylbenzene	101		101		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03 Batch: WG1158842-3 WG1158842-4								
p-Ethyltoluene	110		108		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	102		101		67-130	1		30
trans-1,4-Dichloro-2-butene	140	Q	136	Q	70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	107		106		70-130
Toluene-d8	111		111		70-130
4-Bromofluorobenzene	118		116		70-130
Dibromofluoromethane	90		90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1158942-3 WG1158942-4								
Methylene chloride	91		91		70-130	0		30
1,1-Dichloroethane	100		101		70-130	1		30
Chloroform	95		95		70-130	0		30
Carbon tetrachloride	86		86		70-130	0		30
1,2-Dichloropropane	102		104		70-130	2		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	105		109		70-130	4		30
Tetrachloroethene	85		84		70-130	1		30
Chlorobenzene	95		96		70-130	1		30
Trichlorofluoromethane	110		112		70-139	2		30
1,2-Dichloroethane	99		101		70-130	2		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	92		96		70-130	4		30
trans-1,3-Dichloropropene	105		109		70-130	4		30
cis-1,3-Dichloropropene	95		96		70-130	1		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	94		96		70-130	2		30
1,1,2,2-Tetrachloroethane	113		117		70-130	3		30
Benzene	93		94		70-130	1		30
Toluene	97		99		70-130	2		30
Ethylbenzene	101		102		70-130	1		30
Chloromethane	84		85		52-130	1		30
Bromomethane	149	Q	146		57-147	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1158942-3 WG1158942-4								
Vinyl chloride	89		90		67-130	1		30
Chloroethane	120		125		50-151	4		30
1,1-Dichloroethene	82		84		65-135	2		30
trans-1,2-Dichloroethene	88		87		70-130	1		30
Trichloroethene	91		91		70-130	0		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	98		97		70-130	1		30
1,4-Dichlorobenzene	99		98		70-130	1		30
Methyl tert butyl ether	90		92		66-130	2		30
p/m-Xylene	96		96		70-130	0		30
o-Xylene	95		96		70-130	1		30
cis-1,2-Dichloroethene	88		89		70-130	1		30
Dibromomethane	92		94		70-130	2		30
Styrene	97		98		70-130	1		30
Dichlorodifluoromethane	56		56		30-146	0		30
Acetone	102		105		54-140	3		30
Carbon disulfide	84		84		59-130	0		30
2-Butanone	99		104		70-130	5		30
Vinyl acetate	105		111		70-130	6		30
4-Methyl-2-pentanone	107		114		70-130	6		30
1,2,3-Trichloropropane	117		121		68-130	3		30
2-Hexanone	103		111		70-130	7		30
Bromochloromethane	84		84		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1158942-3 WG1158942-4								
2,2-Dichloropropane	95		94		70-130	1		30
1,2-Dibromoethane	95		98		70-130	3		30
1,3-Dichloropropane	106		109		69-130	3		30
1,1,1,2-Tetrachloroethane	93		93		70-130	0		30
Bromobenzene	96		95		70-130	1		30
n-Butylbenzene	115		113		70-130	2		30
sec-Butylbenzene	109		107		70-130	2		30
tert-Butylbenzene	102		101		70-130	1		30
o-Chlorotoluene	127		126		70-130	1		30
p-Chlorotoluene	112		111		70-130	1		30
1,2-Dibromo-3-chloropropane	80		87		68-130	8		30
Hexachlorobutadiene	83		82		67-130	1		30
Isopropylbenzene	108		106		70-130	2		30
p-Isopropyltoluene	103		101		70-130	2		30
Naphthalene	94		97		70-130	3		30
Acrylonitrile	100		106		70-130	6		30
n-Propylbenzene	115		113		70-130	2		30
1,2,3-Trichlorobenzene	90		90		70-130	0		30
1,2,4-Trichlorobenzene	90		88		70-130	2		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	107		105		70-130	2		30
1,4-Dioxane	76		81		65-136	6		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG1158942-3 WG1158942-4								
p-Ethyltoluene	104		103		70-130	1		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Ethyl ether	87		90		67-130	3		30
trans-1,4-Dichloro-2-butene	121		126		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		112		70-130
Toluene-d8	109		110		70-130
4-Bromofluorobenzene	112		111		70-130
Dibromofluoromethane	92		93		70-130

SEMIVOLATILES

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01 D

Date Collected: 09/13/18 12:20

Client ID: CC-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Extraction Method: EPA 3540C

Analytical Method: 1,8270D

Extraction Date: 09/15/18 13:00

Analytical Date: 09/20/18 14:37

Analyst: CB

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1300	130	10
1,2,4-Trichlorobenzene	ND		ug/kg	1700	160	10
Hexachlorobenzene	ND		ug/kg	1000	160	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	210	10
2-Chloronaphthalene	ND		ug/kg	1700	100	10
1,2-Dichlorobenzene	ND		ug/kg	1700	220	10
1,3-Dichlorobenzene	ND		ug/kg	1700	270	10
1,4-Dichlorobenzene	ND		ug/kg	1700	230	10
3,3'-Dichlorobenzidine	ND		ug/kg	1700	430	10
2,4-Dinitrotoluene	ND		ug/kg	1700	170	10
2,6-Dinitrotoluene	ND		ug/kg	1700	360	10
Fluoranthene	ND		ug/kg	1000	98.	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1700	150	10
4-Bromophenyl phenyl ether	ND		ug/kg	1700	180	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2000	240	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1700	200	10
Hexachlorobutadiene	ND		ug/kg	1700	260	10
Hexachlorocyclopentadiene	ND		ug/kg	4700	170	10
Hexachloroethane	ND		ug/kg	1300	230	10
Isophorone	ND		ug/kg	1700	210	10
Naphthalene	ND		ug/kg	1700	160	10
Nitrobenzene	ND		ug/kg	1700	150	10
NDPA/DPA	ND		ug/kg	1300	250	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1700	300	10
Bis(2-ethylhexyl)phthalate	1600	J	ug/kg	1700	350	10
Butyl benzyl phthalate	1100	J	ug/kg	1700	360	10
Di-n-butylphthalate	ND		ug/kg	1700	370	10
Di-n-octylphthalate	ND		ug/kg	1700	290	10

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01 D

Date Collected: 09/13/18 12:20

Client ID: CC-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1700	140	10
Dimethyl phthalate	ND		ug/kg	1700	96.	10
Benzo(a)anthracene	ND		ug/kg	1000	220	10
Benzo(a)pyrene	ND		ug/kg	1300	180	10
Benzo(b)fluoranthene	ND		ug/kg	1000	130	10
Benzo(k)fluoranthene	ND		ug/kg	1000	140	10
Chrysene	ND		ug/kg	1000	260	10
Acenaphthylene	ND		ug/kg	1300	160	10
Anthracene	ND		ug/kg	1000	220	10
Benzo(ghi)perylene	ND		ug/kg	1300	120	10
Fluorene	ND		ug/kg	1700	120	10
Phenanthrene	ND		ug/kg	1000	300	10
Dibenzo(a,h)anthracene	ND		ug/kg	1000	130	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1300	140	10
Pyrene	ND		ug/kg	1000	270	10
Biphenyl	7900		ug/kg	3700	130	10
4-Chloroaniline	ND		ug/kg	1700	420	10
2-Nitroaniline	ND		ug/kg	1700	230	10
3-Nitroaniline	ND		ug/kg	1700	210	10
4-Nitroaniline	ND		ug/kg	1700	300	10
Dibenzofuran	ND		ug/kg	1700	120	10
2-Methylnaphthalene	ND		ug/kg	2000	190	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	110	10
Acetophenone	ND		ug/kg	1700	350	10
2,4,6-Trichlorophenol	ND		ug/kg	1000	290	10
p-Chloro-m-cresol	ND		ug/kg	1700	340	10
2-Chlorophenol	ND		ug/kg	1700	290	10
2,4-Dichlorophenol	ND		ug/kg	1700	230	10
2,4-Dimethylphenol	ND		ug/kg	1700	110	10
2-Nitrophenol	ND		ug/kg	3700	240	10
4-Nitrophenol	ND		ug/kg	2400	420	10
2,4-Dinitrophenol	ND		ug/kg	8100	300	10
4,6-Dinitro-o-cresol	ND		ug/kg	4400	200	10
Pentachlorophenol	ND		ug/kg	1300	280	10
Phenol	ND		ug/kg	1700	190	10
2-Methylphenol	ND		ug/kg	1700	490	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2400	360	10

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01 D

Date Collected: 09/13/18 12:20

Client ID: CC-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1700	220	10
Benzoic Acid	ND		ug/kg	5400	430	10
Benzyl Alcohol	ND		ug/kg	1700	350	10
Carbazole	ND		ug/kg	1700	110	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	31-118
Phenol-d6	15	Q	37-126
Nitrobenzene-d5	79		29-137
2-Fluorobiphenyl	93		38-127
2,4,6-Tribromophenol	0	Q	40-130
4-Terphenyl-d14	97		36-137

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Extraction Method: EPA 3540C

Analytical Method: 1,8270D

Extraction Date: 09/15/18 13:00

Analytical Date: 09/20/18 15:03

Analyst: CB

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1300	130	10
1,2,4-Trichlorobenzene	ND		ug/kg	1600	160	10
Hexachlorobenzene	ND		ug/kg	990	160	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	200	10
2-Chloronaphthalene	ND		ug/kg	1600	99.	10
1,2-Dichlorobenzene	ND		ug/kg	1600	220	10
1,3-Dichlorobenzene	ND		ug/kg	1600	260	10
1,4-Dichlorobenzene	ND		ug/kg	1600	230	10
3,3'-Dichlorobenzidine	ND		ug/kg	1600	420	10
2,4-Dinitrotoluene	ND		ug/kg	1600	160	10
2,6-Dinitrotoluene	ND		ug/kg	1600	360	10
Fluoranthene	ND		ug/kg	990	97.	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1600	150	10
4-Bromophenyl phenyl ether	ND		ug/kg	1600	180	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2000	240	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1600	200	10
Hexachlorobutadiene	ND		ug/kg	1600	250	10
Hexachlorocyclopentadiene	ND		ug/kg	4600	160	10
Hexachloroethane	ND		ug/kg	1300	220	10
Isophorone	ND		ug/kg	1600	200	10
Naphthalene	1500	J	ug/kg	1600	160	10
Nitrobenzene	ND		ug/kg	1600	150	10
NDPA/DPA	ND		ug/kg	1300	240	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1600	290	10
Bis(2-ethylhexyl)phthalate	10000		ug/kg	1600	340	10
Butyl benzyl phthalate	2100		ug/kg	1600	360	10
Di-n-butylphthalate	500	J	ug/kg	1600	370	10
Di-n-octylphthalate	ND		ug/kg	1600	280	10

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1600	130	10
Dimethyl phthalate	ND		ug/kg	1600	94.	10
Benzo(a)anthracene	ND		ug/kg	990	220	10
Benzo(a)pyrene	ND		ug/kg	1300	180	10
Benzo(b)fluoranthene	ND		ug/kg	990	130	10
Benzo(k)fluoranthene	ND		ug/kg	990	140	10
Chrysene	ND		ug/kg	990	250	10
Acenaphthylene	ND		ug/kg	1300	160	10
Anthracene	ND		ug/kg	990	220	10
Benzo(ghi)perylene	ND		ug/kg	1300	120	10
Fluorene	ND		ug/kg	1600	110	10
Phenanthrene	ND		ug/kg	990	300	10
Dibenzo(a,h)anthracene	ND		ug/kg	990	130	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1300	140	10
Pyrene	ND		ug/kg	990	260	10
Biphenyl	460	J	ug/kg	3600	120	10
4-Chloroaniline	ND		ug/kg	1600	420	10
2-Nitroaniline	ND		ug/kg	1600	230	10
3-Nitroaniline	ND		ug/kg	1600	210	10
4-Nitroaniline	ND		ug/kg	1600	290	10
Dibenzofuran	ND		ug/kg	1600	120	10
2-Methylnaphthalene	2200		ug/kg	2000	180	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1600	110	10
Acetophenone	ND		ug/kg	1600	340	10
2,4,6-Trichlorophenol	ND		ug/kg	990	290	10
p-Chloro-m-cresol	ND		ug/kg	1600	330	10
2-Chlorophenol	ND		ug/kg	1600	280	10
2,4-Dichlorophenol	ND		ug/kg	1600	230	10
2,4-Dimethylphenol	ND		ug/kg	1600	100	10
2-Nitrophenol	ND		ug/kg	3600	240	10
4-Nitrophenol	ND		ug/kg	2300	410	10
2,4-Dinitrophenol	ND		ug/kg	7900	300	10
4,6-Dinitro-o-cresol	ND		ug/kg	4300	200	10
Pentachlorophenol	ND		ug/kg	1300	270	10
Phenol	680	J	ug/kg	1600	190	10
2-Methylphenol	ND		ug/kg	1600	480	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2300	360	10

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02 D

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1600	220	10
Benzoic Acid	ND		ug/kg	5300	420	10
Benzyl Alcohol	31000		ug/kg	1600	340	10
Carbazole	ND		ug/kg	1600	110	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	17	Q	31-118
Phenol-d6	50		37-126
Nitrobenzene-d5	135		29-137
2-Fluorobiphenyl	81		38-127
2,4,6-Tribromophenol	12	Q	40-130
4-Terphenyl-d14	80		36-137

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 01:40
 Analyst: SZ
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	22.	1
2-Chloronaphthalene	ND		ug/kg	180	10.	1
1,2-Dichlorobenzene	ND		ug/kg	180	23.	1
1,3-Dichlorobenzene	ND		ug/kg	180	28.	1
1,4-Dichlorobenzene	ND		ug/kg	180	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	45.	1
2,4-Dinitrotoluene	ND		ug/kg	180	17.	1
2,6-Dinitrotoluene	ND		ug/kg	180	38.	1
Fluoranthene	ND		ug/kg	100	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	26.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	21.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	17.	1
Hexachloroethane	ND		ug/kg	140	24.	1
Isophorone	ND		ug/kg	180	22.	1
Naphthalene	ND		ug/kg	180	17.	1
Nitrobenzene	ND		ug/kg	180	16.	1
NDPA/DPA	ND		ug/kg	140	26.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	36.	1
Butyl benzyl phthalate	ND		ug/kg	180	38.	1
Di-n-butylphthalate	ND		ug/kg	180	39.	1
Di-n-octylphthalate	ND		ug/kg	180	30.	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	14.	1
Dimethyl phthalate	ND		ug/kg	180	10.	1
Benzo(a)anthracene	ND		ug/kg	100	24.	1
Benzo(a)pyrene	ND		ug/kg	140	19.	1
Benzo(b)fluoranthene	ND		ug/kg	100	14.	1
Benzo(k)fluoranthene	ND		ug/kg	100	15.	1
Chrysene	ND		ug/kg	100	27.	1
Acenaphthylene	ND		ug/kg	140	17.	1
Anthracene	ND		ug/kg	100	23.	1
Benzo(ghi)perylene	ND		ug/kg	140	13.	1
Fluorene	ND		ug/kg	180	12.	1
Phenanthrene	ND		ug/kg	100	32.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	15.	1
Pyrene	ND		ug/kg	100	28.	1
Biphenyl	ND		ug/kg	390	13.	1
4-Chloroaniline	ND		ug/kg	180	44.	1
2-Nitroaniline	ND		ug/kg	180	24.	1
3-Nitroaniline	ND		ug/kg	180	22.	1
4-Nitroaniline	ND		ug/kg	180	31.	1
Dibenzofuran	ND		ug/kg	180	12.	1
2-Methylnaphthalene	ND		ug/kg	210	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	12.	1
Acetophenone	ND		ug/kg	180	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	31.	1
p-Chloro-m-cresol	ND		ug/kg	180	35.	1
2-Chlorophenol	ND		ug/kg	180	30.	1
2,4-Dichlorophenol	ND		ug/kg	180	24.	1
2,4-Dimethylphenol	ND		ug/kg	180	11.	1
2-Nitrophenol	ND		ug/kg	390	25.	1
4-Nitrophenol	ND		ug/kg	250	44.	1
2,4-Dinitrophenol	ND		ug/kg	840	32.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	21.	1
Pentachlorophenol	ND		ug/kg	140	29.	1
Phenol	73	J	ug/kg	180	20.	1
2-Methylphenol	ND		ug/kg	180	51.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	38.	1

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-03

Date Collected: 09/13/18 12:35

Client ID: CC-3

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	23.	1
Benzoic Acid	ND		ug/kg	560	45.	1
Benzyl Alcohol	3300		ug/kg	180	37.	1
Carbazole	ND		ug/kg	180	12.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	7	Q	31-118
Phenol-d6	61		37-126
Nitrobenzene-d5	65		29-137
2-Fluorobiphenyl	76		38-127
2,4,6-Tribromophenol	0	Q	40-130
4-Terphenyl-d14	89		36-137

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8270D
 Analytical Date: 09/18/18 02:05
 Analyst: SZ
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 13:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	17.	1
Hexachlorobenzene	ND		ug/kg	100	17.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	21.	1
2-Chloronaphthalene	ND		ug/kg	170	10.	1
1,2-Dichlorobenzene	ND		ug/kg	170	22.	1
1,3-Dichlorobenzene	ND		ug/kg	170	27.	1
1,4-Dichlorobenzene	ND		ug/kg	170	24.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	17.	1
2,6-Dinitrotoluene	ND		ug/kg	170	37.	1
Fluoranthene	140		ug/kg	100	10.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	16.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	19.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	25.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	170	21.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	17.	1
Hexachloroethane	ND		ug/kg	140	23.	1
Isophorone	ND		ug/kg	170	21.	1
Naphthalene	390		ug/kg	170	17.	1
Nitrobenzene	ND		ug/kg	170	16.	1
NDPA/DPA	ND		ug/kg	140	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	30.	1
Bis(2-ethylhexyl)phthalate	160	J	ug/kg	170	36.	1
Butyl benzyl phthalate	ND		ug/kg	170	37.	1
Di-n-butylphthalate	ND		ug/kg	170	38.	1
Di-n-octylphthalate	ND		ug/kg	170	29.	1

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	14.	1
Dimethyl phthalate	ND		ug/kg	170	9.8	1
Benzo(a)anthracene	ND		ug/kg	100	23.	1
Benzo(a)pyrene	ND		ug/kg	140	18.	1
Benzo(b)fluoranthene	ND		ug/kg	100	14.	1
Benzo(k)fluoranthene	ND		ug/kg	100	14.	1
Chrysene	58	J	ug/kg	100	26.	1
Acenaphthylene	ND		ug/kg	140	17.	1
Anthracene	120		ug/kg	100	23.	1
Benzo(ghi)perylene	ND		ug/kg	140	12.	1
Fluorene	220		ug/kg	170	12.	1
Phenanthrene	2700		ug/kg	100	31.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	14.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	15.	1
Pyrene	740		ug/kg	100	27.	1
Biphenyl	510		ug/kg	380	13.	1
4-Chloroaniline	ND		ug/kg	170	44.	1
2-Nitroaniline	ND		ug/kg	170	24.	1
3-Nitroaniline	ND		ug/kg	170	22.	1
4-Nitroaniline	ND		ug/kg	170	30.	1
Dibenzofuran	280		ug/kg	170	12.	1
2-Methylnaphthalene	3200		ug/kg	210	19.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	11.	1
Acetophenone	ND		ug/kg	170	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	30.	1
p-Chloro-m-cresol	ND		ug/kg	170	34.	1
2-Chlorophenol	ND		ug/kg	170	30.	1
2,4-Dichlorophenol	ND		ug/kg	170	24.	1
2,4-Dimethylphenol	ND		ug/kg	170	11.	1
2-Nitrophenol	ND		ug/kg	380	25.	1
4-Nitrophenol	ND		ug/kg	240	43.	1
2,4-Dinitrophenol	ND		ug/kg	820	31.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	21.	1
Pentachlorophenol	ND		ug/kg	140	28.	1
Phenol	ND		ug/kg	170	20.	1
2-Methylphenol	ND		ug/kg	170	50.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	37.	1

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-04

Date Collected: 09/13/18 13:50

Client ID: CC-4

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	22.	1
Benzoic Acid	ND		ug/kg	550	44.	1
Benzyl Alcohol	83	J	ug/kg	170	36.	1
Carbazole	ND		ug/kg	170	11.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	0	Q	31-118
Phenol-d6	11	Q	37-126
Nitrobenzene-d5	59		29-137
2-Fluorobiphenyl	72		38-127
2,4,6-Tribromophenol	0	Q	40-130
4-Terphenyl-d14	81		36-137

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05 D

Date Collected: 09/13/18 14:10

Client ID: CC-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Extraction Method: EPA 3540C

Analytical Method: 1,8270D

Extraction Date: 09/15/18 13:00

Analytical Date: 09/20/18 15:29

Analyst: CB

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1400	130	10
1,2,4-Trichlorobenzene	ND		ug/kg	1700	170	10
Hexachlorobenzene	ND		ug/kg	1000	170	10
Bis(2-chloroethyl)ether	ND		ug/kg	1700	210	10
2-Chloronaphthalene	ND		ug/kg	1700	100	10
1,2-Dichlorobenzene	ND		ug/kg	1700	220	10
1,3-Dichlorobenzene	ND		ug/kg	1700	270	10
1,4-Dichlorobenzene	ND		ug/kg	1700	240	10
3,3'-Dichlorobenzidine	ND		ug/kg	1700	430	10
2,4-Dinitrotoluene	ND		ug/kg	1700	170	10
2,6-Dinitrotoluene	ND		ug/kg	1700	360	10
Fluoranthene	ND		ug/kg	1000	99.	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1700	160	10
4-Bromophenyl phenyl ether	ND		ug/kg	1700	180	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2000	250	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1700	210	10
Hexachlorobutadiene	ND		ug/kg	1700	260	10
Hexachlorocyclopentadiene	ND		ug/kg	4700	170	10
Hexachloroethane	ND		ug/kg	1400	230	10
Isophorone	ND		ug/kg	1700	210	10
Naphthalene	ND		ug/kg	1700	170	10
Nitrobenzene	ND		ug/kg	1700	160	10
NDPA/DPA	ND		ug/kg	1400	250	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1700	300	10
Bis(2-ethylhexyl)phthalate	1900		ug/kg	1700	350	10
Butyl benzyl phthalate	ND		ug/kg	1700	370	10
Di-n-butylphthalate	ND		ug/kg	1700	380	10
Di-n-octylphthalate	ND		ug/kg	1700	290	10

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05 D

Date Collected: 09/13/18 14:10

Client ID: CC-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	1700	140	10
Dimethyl phthalate	ND		ug/kg	1700	96.	10
Benzo(a)anthracene	ND		ug/kg	1000	230	10
Benzo(a)pyrene	ND		ug/kg	1400	180	10
Benzo(b)fluoranthene	ND		ug/kg	1000	130	10
Benzo(k)fluoranthene	ND		ug/kg	1000	140	10
Chrysene	ND		ug/kg	1000	260	10
Acenaphthylene	ND		ug/kg	1400	170	10
Anthracene	ND		ug/kg	1000	220	10
Benzo(ghi)perylene	ND		ug/kg	1400	120	10
Fluorene	ND		ug/kg	1700	120	10
Phenanthrene	ND		ug/kg	1000	300	10
Dibenzo(a,h)anthracene	ND		ug/kg	1000	140	10
Indeno(1,2,3-cd)pyrene	ND		ug/kg	1400	140	10
Pyrene	ND		ug/kg	1000	270	10
Biphenyl	ND		ug/kg	3700	130	10
4-Chloroaniline	ND		ug/kg	1700	430	10
2-Nitroaniline	ND		ug/kg	1700	230	10
3-Nitroaniline	ND		ug/kg	1700	210	10
4-Nitroaniline	ND		ug/kg	1700	300	10
Dibenzofuran	ND		ug/kg	1700	120	10
2-Methylnaphthalene	ND		ug/kg	2000	190	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	110	10
Acetophenone	ND		ug/kg	1700	350	10
2,4,6-Trichlorophenol	ND		ug/kg	1000	300	10
p-Chloro-m-cresol	ND		ug/kg	1700	340	10
2-Chlorophenol	ND		ug/kg	1700	290	10
2,4-Dichlorophenol	ND		ug/kg	1700	240	10
2,4-Dimethylphenol	ND		ug/kg	1700	110	10
2-Nitrophenol	ND		ug/kg	3700	240	10
4-Nitrophenol	ND		ug/kg	2400	420	10
2,4-Dinitrophenol	ND		ug/kg	8100	300	10
4,6-Dinitro-o-cresol	ND		ug/kg	4400	200	10
Pentachlorophenol	ND		ug/kg	1400	280	10
Phenol	ND		ug/kg	1700	190	10
2-Methylphenol	ND		ug/kg	1700	490	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2400	370	10

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-05 D

Date Collected: 09/13/18 14:10

Client ID: CC-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	1700	220	10
Benzoic Acid	ND		ug/kg	5400	430	10
Benzyl Alcohol	ND		ug/kg	1700	350	10
Carbazole	ND		ug/kg	1700	110	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	16	Q	31-118
Phenol-d6	43		37-126
Nitrobenzene-d5	84		29-137
2-Fluorobiphenyl	101		38-127
2,4,6-Tribromophenol	10	Q	40-130
4-Terphenyl-d14	93		36-137

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:53
 Analyst: SZ

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1157279-1					
Acenaphthene	ND		ug/kg	130	12.
1,2,4-Trichlorobenzene	ND		ug/kg	160	16.
Hexachlorobenzene	ND		ug/kg	97	16.
Bis(2-chloroethyl)ether	ND		ug/kg	160	20.
2-Chloronaphthalene	ND		ug/kg	160	9.7
1,2-Dichlorobenzene	ND		ug/kg	160	21.
1,3-Dichlorobenzene	ND		ug/kg	160	26.
1,4-Dichlorobenzene	ND		ug/kg	160	23.
3,3'-Dichlorobenzidine	ND		ug/kg	160	41.
2,4-Dinitrotoluene	ND		ug/kg	160	16.
2,6-Dinitrotoluene	ND		ug/kg	160	35.
Fluoranthene	ND		ug/kg	97	9.5
4-Chlorophenyl phenyl ether	ND		ug/kg	160	15.
4-Bromophenyl phenyl ether	ND		ug/kg	160	18.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	24.
Bis(2-chloroethoxy)methane	ND		ug/kg	160	20.
Hexachlorobutadiene	ND		ug/kg	160	25.
Hexachlorocyclopentadiene	ND		ug/kg	450	16.
Hexachloroethane	ND		ug/kg	130	22.
Isophorone	ND		ug/kg	160	20.
Naphthalene	ND		ug/kg	160	16.
Nitrobenzene	ND		ug/kg	160	15.
NDPA/DPA	ND		ug/kg	130	24.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	29.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	34.
Butyl benzyl phthalate	ND		ug/kg	160	35.
Di-n-butylphthalate	ND		ug/kg	160	36.
Di-n-octylphthalate	ND		ug/kg	160	28.
Diethyl phthalate	ND		ug/kg	160	13.

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:53
 Analyst: SZ

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1157279-1					
Dimethyl phthalate	ND		ug/kg	160	9.2
Benzo(a)anthracene	ND		ug/kg	97	22.
Benzo(a)pyrene	ND		ug/kg	130	17.
Benzo(b)fluoranthene	ND		ug/kg	97	13.
Benzo(k)fluoranthene	ND		ug/kg	97	13.
Chrysene	ND		ug/kg	97	25.
Acenaphthylene	ND		ug/kg	130	16.
Anthracene	ND		ug/kg	97	22.
Benzo(ghi)perylene	ND		ug/kg	130	12.
Fluorene	ND		ug/kg	160	11.
Phenanthrene	ND		ug/kg	97	29.
Dibenzo(a,h)anthracene	ND		ug/kg	97	13.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	14.
Pyrene	ND		ug/kg	97	26.
Biphenyl	ND		ug/kg	360	12.
4-Chloroaniline	ND		ug/kg	160	41.
2-Nitroaniline	ND		ug/kg	160	22.
3-Nitroaniline	ND		ug/kg	160	20.
4-Nitroaniline	ND		ug/kg	160	29.
Dibenzofuran	ND		ug/kg	160	11.
2-Methylnaphthalene	ND		ug/kg	190	18.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	11.
Acetophenone	ND		ug/kg	160	33.
2,4,6-Trichlorophenol	ND		ug/kg	97	28.
p-Chloro-m-cresol	ND		ug/kg	160	32.
2-Chlorophenol	ND		ug/kg	160	28.
2,4-Dichlorophenol	ND		ug/kg	160	23.
2,4-Dimethylphenol	ND		ug/kg	160	10.
2-Nitrophenol	ND		ug/kg	360	23.

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 09/17/18 21:53
 Analyst: SZ

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 13:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1157279-1					
4-Nitrophenol	ND		ug/kg	230	40.
2,4-Dinitrophenol	ND		ug/kg	780	29.
4,6-Dinitro-o-cresol	ND		ug/kg	420	20.
Pentachlorophenol	ND		ug/kg	130	26.
Phenol	ND		ug/kg	160	19.
2-Methylphenol	ND		ug/kg	160	47.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	35.
2,4,5-Trichlorophenol	ND		ug/kg	160	21.
Benzoic Acid	ND		ug/kg	520	41.
Benzyl Alcohol	ND		ug/kg	160	34.
Carbazole	ND		ug/kg	160	11.

Tentatively Identified Compounds

Total TIC Compounds	698	J	ug/kg
Unknown Organic Acid	355	J	ug/kg
Unknown	343	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		31-118
Phenol-d6	73		37-126
Nitrobenzene-d5	61		29-137
2-Fluorobiphenyl	73		38-127
2,4,6-Tribromophenol	94		40-130
4-Terphenyl-d14	91		36-137



Lab Control Sample Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1157279-2 WG1157279-3								
Acenaphthene	91		85		42-111	7		50
1,2,4-Trichlorobenzene	81		76		42-103	6		50
Hexachlorobenzene	97		92		40-140	5		50
Bis(2-chloroethyl)ether	77		72		34-98	7		50
2-Chloronaphthalene	85		81		40-140	5		50
1,2-Dichlorobenzene	78		74		36-95	5		50
1,3-Dichlorobenzene	76		71		34-94	7		50
1,4-Dichlorobenzene	76		70		34-93	8		50
3,3'-Dichlorobenzidine	76		76		28-106	0		50
2,4-Dinitrotoluene	95		92		42-129	3		50
2,6-Dinitrotoluene	89		88		34-135	1		50
Fluoranthene	100		96		40-140	4		50
4-Chlorophenyl phenyl ether	91		86		40-140	6		50
4-Bromophenyl phenyl ether	95		92		40-140	3		50
Bis(2-chloroisopropyl)ether	74		68		12-107	8		50
Bis(2-chloroethoxy)methane	79		74		32-111	7		50
Hexachlorobutadiene	87		81		40-140	7		50
Hexachlorocyclopentadiene	53		48		40-140	10		50
Hexachloroethane	79		74		32-97	7		50
Isophorone	78		72		33-115	8		50
Naphthalene	84		79		37-106	6		50
Nitrobenzene	75		73		32-118	3		50
NDPA/DPA	95		89		40-140	7		50

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1157279-2 WG1157279-3								
n-Nitrosodi-n-propylamine	79		73		40-140	8		50
Bis(2-ethylhexyl)phthalate	101		88		40-140	14		50
Butyl benzyl phthalate	103		101		35-139	2		50
Di-n-butylphthalate	99		91		40-140	8		50
Di-n-octylphthalate	101		95		40-140	6		50
Diethyl phthalate	92		90		40-140	2		50
Dimethyl phthalate	87		85		40-140	2		50
Benzo(a)anthracene	91		84		40-140	8		50
Benzo(a)pyrene	90		99		40-140	10		50
Benzo(b)fluoranthene	91		97		40-140	6		50
Benzo(k)fluoranthene	91		98		40-140	7		50
Chrysene	94		88		40-140	7		50
Acenaphthylene	85		82		40-140	4		50
Anthracene	97		89		40-140	9		50
Benzo(ghi)perylene	89		96		40-140	8		50
Fluorene	94		89		40-140	5		50
Phenanthrene	92		86		40-140	7		50
Dibenzo(a,h)anthracene	90		94		40-140	4		50
Indeno(1,2,3-cd)pyrene	91		98		34-138	7		50
Pyrene	98		95		40-125	3		50
Biphenyl	89		83		54-104	7		50
4-Chloroaniline	69		61		15-137	12		50
2-Nitroaniline	90		88		40-140	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1157279-2 WG1157279-3								
3-Nitroaniline	77		75		26-129	3		50
4-Nitroaniline	92		92		41-125	0		50
Dibenzofuran	90		85		40-140	6		50
2-Methylnaphthalene	85		80		40-140	6		50
1,2,4,5-Tetrachlorobenzene	92		86		40-140	7		50
Acetophenone	83		79		40-140	5		50
2,4,6-Trichlorophenol	94		88		30-130	7		50
p-Chloro-m-cresol	90		86		40-140	5		50
2-Chlorophenol	87		82		37-112	6		50
2,4-Dichlorophenol	88		83		30-130	6		50
2,4-Dimethylphenol	83		80		30-130	4		50
2-Nitrophenol	87		81		30-130	7		50
4-Nitrophenol	96		93		39-161	3		50
2,4-Dinitrophenol	71		60		10-155	17		50
4,6-Dinitro-o-cresol	88		86		30-130	2		50
Pentachlorophenol	84		84		36-121	0		50
Phenol	84		78		36-117	7		50
2-Methylphenol	84		79		30-130	6		50
3-Methylphenol/4-Methylphenol	88		83		30-130	6		50
2,4,5-Trichlorophenol	93		89		30-130	4		50
Benzoic Acid	21		0	Q	10-110	NC		50
Benzyl Alcohol	87		82		40-140	6		50
Carbazole	97		92		40-140	5		50

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1157279-2 WG1157279-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		76		31-118
Phenol-d6	83		76		37-126
Nitrobenzene-d5	72		67		29-137
2-Fluorobiphenyl	81		74		38-127
2,4,6-Tribromophenol	98		91		40-130
4-Terphenyl-d14	84		80		36-137

PCBS

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-01
 Client ID: CC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 09/19/18 22:26
 Analyst: HT
 Percent Solids: 98%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	94.4	8.39	1	A
Aroclor 1221	ND		ug/kg	94.4	9.46	1	A
Aroclor 1232	ND		ug/kg	94.4	20.0	1	A
Aroclor 1242	ND		ug/kg	94.4	12.7	1	A
Aroclor 1248	ND		ug/kg	94.4	14.2	1	A
Aroclor 1254	ND		ug/kg	94.4	10.3	1	A
Aroclor 1260	ND		ug/kg	94.4	17.4	1	A
Aroclor 1262	ND		ug/kg	94.4	12.0	1	A
Aroclor 1268	ND		ug/kg	94.4	9.78	1	A
PCBs, Total	ND		ug/kg	94.4	8.39	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-02
 Client ID: CC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 09/19/18 22:39
 Analyst: HT
 Percent Solids: 98%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	101	8.94	1	A
Aroclor 1221	ND		ug/kg	101	10.1	1	A
Aroclor 1232	ND		ug/kg	101	21.4	1	A
Aroclor 1242	ND		ug/kg	101	13.6	1	A
Aroclor 1248	ND		ug/kg	101	15.1	1	A
Aroclor 1254	ND		ug/kg	101	11.0	1	A
Aroclor 1260	ND		ug/kg	101	18.6	1	A
Aroclor 1262	ND		ug/kg	101	12.8	1	A
Aroclor 1268	ND		ug/kg	101	10.4	1	A
PCBs, Total	ND		ug/kg	101	8.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 09/19/18 22:52
 Analyst: HT
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	95.0	8.44	1	B
Aroclor 1221	ND		ug/kg	95.0	9.52	1	B
Aroclor 1232	ND		ug/kg	95.0	20.1	1	B
Aroclor 1242	ND		ug/kg	95.0	12.8	1	B
Aroclor 1248	ND		ug/kg	95.0	14.2	1	B
Aroclor 1254	ND		ug/kg	95.0	10.4	1	B
Aroclor 1260	ND		ug/kg	95.0	17.6	1	B
Aroclor 1262	ND		ug/kg	95.0	12.1	1	B
Aroclor 1268	ND		ug/kg	95.0	9.84	1	B
PCBs, Total	ND		ug/kg	95.0	8.44	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	9	Q	30-150	A
Decachlorobiphenyl	10	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	143		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 09/19/18 23:05
 Analyst: HT
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	101	8.94	1	B
Aroclor 1221	ND		ug/kg	101	10.1	1	B
Aroclor 1232	ND		ug/kg	101	21.3	1	B
Aroclor 1242	ND		ug/kg	101	13.6	1	B
Aroclor 1248	ND		ug/kg	101	15.1	1	B
Aroclor 1254	ND		ug/kg	101	11.0	1	B
Aroclor 1260	ND		ug/kg	101	18.6	1	B
Aroclor 1262	ND		ug/kg	101	12.8	1	B
Aroclor 1268	ND		ug/kg	101	10.4	1	B
PCBs, Total	ND		ug/kg	101	8.94	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	19	Q	30-150	A
Decachlorobiphenyl	22	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	121		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-05
 Client ID: CC-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 14:10
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8082A
 Analytical Date: 09/20/18 06:18
 Analyst: WR
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	95.6	8.49	1	A
Aroclor 1221	ND		ug/kg	95.6	9.58	1	A
Aroclor 1232	ND		ug/kg	95.6	20.3	1	A
Aroclor 1242	ND		ug/kg	95.6	12.9	1	A
Aroclor 1248	ND		ug/kg	95.6	14.3	1	A
Aroclor 1254	ND		ug/kg	95.6	10.5	1	A
Aroclor 1260	ND		ug/kg	95.6	17.7	1	A
Aroclor 1262	ND		ug/kg	95.6	12.1	1	A
Aroclor 1268	ND		ug/kg	95.6	9.91	1	A
PCBs, Total	ND		ug/kg	95.6	8.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 09/19/18 21:47
 Analyst: HT

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:05
 Cleanup Method: EPA 3665A
 Cleanup Date: 09/16/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1157271-1						
Aroclor 1016	ND		ug/kg	86.2	7.66	A
Aroclor 1221	ND		ug/kg	86.2	8.64	A
Aroclor 1232	ND		ug/kg	86.2	18.3	A
Aroclor 1242	ND		ug/kg	86.2	11.6	A
Aroclor 1248	ND		ug/kg	86.2	12.9	A
Aroclor 1254	ND		ug/kg	86.2	9.43	A
Aroclor 1260	ND		ug/kg	86.2	15.9	A
Aroclor 1262	ND		ug/kg	86.2	10.9	A
Aroclor 1268	ND		ug/kg	86.2	8.93	A
PCBs, Total	ND		ug/kg	86.2	7.66	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1157271-2 WG1157271-3									
Aroclor 1016	93		92		40-140	1		50	A
Aroclor 1260	84		86		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		78		30-150	A
Decachlorobiphenyl	74		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		81		30-150	B
Decachlorobiphenyl	76		76		30-150	B

PESTICIDES

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01
 Client ID: CC-1
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:20
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 09/20/18 13:57
 Analyst: KEG
 Percent Solids: 98%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.67	0.915	1	A
Lindane	ND		ug/kg	1.95	0.870	1	A
Alpha-BHC	ND		ug/kg	1.95	0.553	1	A
Beta-BHC	ND		ug/kg	4.67	1.77	1	A
Heptachlor	ND		ug/kg	2.34	1.05	1	A
Aldrin	ND		ug/kg	4.67	1.64	1	A
Heptachlor epoxide	3.95	J	ug/kg	8.76	2.63	1	A
Endrin	ND		ug/kg	1.95	0.798	1	A
Endrin aldehyde	ND		ug/kg	5.84	2.04	1	A
Endrin ketone	ND		ug/kg	4.67	1.20	1	A
Dieldrin	ND		ug/kg	2.92	1.46	1	A
4,4'-DDE	ND		ug/kg	4.67	1.08	1	A
4,4'-DDD	ND		ug/kg	4.67	1.67	1	A
4,4'-DDT	ND		ug/kg	8.76	3.76	1	A
Endosulfan I	ND		ug/kg	4.67	1.10	1	A
Endosulfan II	ND		ug/kg	4.67	1.56	1	A
Endosulfan sulfate	ND		ug/kg	1.95	0.927	1	A
Methoxychlor	ND		ug/kg	8.76	2.72	1	A
Toxaphene	ND		ug/kg	87.6	24.5	1	A
cis-Chlordane	ND		ug/kg	5.84	1.63	1	A
trans-Chlordane	ND		ug/kg	5.84	1.54	1	A
Chlordane	ND		ug/kg	38.0	15.5	1	A

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-01

Date Collected: 09/13/18 12:20

Client ID: CC-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	78		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02
 Client ID: CC-2
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:30
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 09/20/18 14:09
 Analyst: KEG
 Percent Solids: 98%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.56	0.894	1	A
Lindane	ND		ug/kg	1.90	0.850	1	A
Alpha-BHC	ND		ug/kg	1.90	0.540	1	A
Beta-BHC	ND		ug/kg	4.56	1.73	1	A
Heptachlor	ND		ug/kg	2.28	1.02	1	A
Aldrin	ND		ug/kg	4.56	1.61	1	A
Heptachlor epoxide	ND		ug/kg	8.56	2.57	1	A
Endrin	ND		ug/kg	1.90	0.780	1	A
Endrin aldehyde	ND		ug/kg	5.71	2.00	1	A
Endrin ketone	ND		ug/kg	4.56	1.18	1	A
Dieldrin	ND		ug/kg	2.85	1.43	1	A
4,4'-DDE	ND		ug/kg	4.56	1.06	1	A
4,4'-DDD	ND		ug/kg	4.56	1.63	1	A
4,4'-DDT	ND		ug/kg	8.56	3.67	1	A
Endosulfan I	ND		ug/kg	4.56	1.08	1	A
Endosulfan II	ND		ug/kg	4.56	1.52	1	A
Endosulfan sulfate	ND		ug/kg	1.90	0.906	1	A
Methoxychlor	ND		ug/kg	8.56	2.66	1	A
Toxaphene	ND		ug/kg	85.6	24.0	1	A
cis-Chlordane	ND		ug/kg	5.71	1.59	1	A
trans-Chlordane	ND		ug/kg	5.71	1.51	1	A
Chlordane	ND		ug/kg	37.1	15.1	1	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	39		30-150	A
Decachlorobiphenyl	33		30-150	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03
 Client ID: CC-3
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 12:35
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 09/20/18 14:22
 Analyst: KEG
 Percent Solids: 94%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.54	0.890	1	A
Lindane	ND		ug/kg	1.89	0.846	1	A
Alpha-BHC	ND		ug/kg	1.89	0.538	1	A
Beta-BHC	ND		ug/kg	4.54	1.72	1	A
Heptachlor	ND		ug/kg	2.27	1.02	1	A
Aldrin	ND		ug/kg	4.54	1.60	1	A
Heptachlor epoxide	ND		ug/kg	8.52	2.56	1	A
Endrin	ND		ug/kg	1.89	0.776	1	A
Endrin aldehyde	ND		ug/kg	5.68	1.99	1	A
Endrin ketone	ND		ug/kg	4.54	1.17	1	A
Dieldrin	ND		ug/kg	2.84	1.42	1	A
4,4'-DDE	ND		ug/kg	4.54	1.05	1	A
4,4'-DDD	ND		ug/kg	4.54	1.62	1	A
4,4'-DDT	ND		ug/kg	8.52	3.65	1	A
Endosulfan I	ND		ug/kg	4.54	1.07	1	A
Endosulfan II	ND		ug/kg	4.54	1.52	1	A
Endosulfan sulfate	ND		ug/kg	1.89	0.901	1	A
Methoxychlor	ND		ug/kg	8.52	2.65	1	A
Toxaphene	ND		ug/kg	85.2	23.9	1	A
cis-Chlordane	ND		ug/kg	5.68	1.58	1	A
trans-Chlordane	ND		ug/kg	5.68	1.50	1	A
Chlordane	ND		ug/kg	36.9	15.0	1	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03

Date Collected: 09/13/18 12:35

Client ID: CC-3

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	50		30-150	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04
 Client ID: CC-4
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 13:50
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 09/20/18 14:35
 Analyst: KEG
 Percent Solids: 96%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.56	0.894	1	A
Lindane	ND		ug/kg	1.90	0.850	1	A
Alpha-BHC	ND		ug/kg	1.90	0.540	1	A
Beta-BHC	ND		ug/kg	4.56	1.73	1	A
Heptachlor	ND		ug/kg	2.28	1.02	1	A
Aldrin	ND		ug/kg	4.56	1.61	1	A
Heptachlor epoxide	4.66	J	ug/kg	8.56	2.57	1	B
Endrin	ND		ug/kg	1.90	0.780	1	A
Endrin aldehyde	ND		ug/kg	5.71	2.00	1	A
Endrin ketone	ND		ug/kg	4.56	1.18	1	A
Dieldrin	ND		ug/kg	2.85	1.43	1	A
4,4'-DDE	ND		ug/kg	4.56	1.06	1	A
4,4'-DDD	ND		ug/kg	4.56	1.63	1	A
4,4'-DDT	ND		ug/kg	8.56	3.67	1	A
Endosulfan I	ND		ug/kg	4.56	1.08	1	A
Endosulfan II	ND		ug/kg	4.56	1.52	1	A
Endosulfan sulfate	ND		ug/kg	1.90	0.906	1	A
Methoxychlor	ND		ug/kg	8.56	2.66	1	A
Toxaphene	ND		ug/kg	85.6	24.0	1	A
cis-Chlordane	ND		ug/kg	5.71	1.59	1	A
trans-Chlordane	ND		ug/kg	5.71	1.51	1	A
Chlordane	ND		ug/kg	37.1	15.1	1	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04

Date Collected: 09/13/18 13:50

Client ID: CC-4

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	46		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05
 Client ID: CC-5
 Sample Location: MELVILLE, NY

Date Collected: 09/13/18 14:10
 Date Received: 09/13/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Solid
 Analytical Method: 1,8081B
 Analytical Date: 09/20/18 14:48
 Analyst: KEG
 Percent Solids: 97%

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	4.79	0.937	1	A
Lindane	ND		ug/kg	1.99	0.891	1	A
Alpha-BHC	ND		ug/kg	1.99	0.566	1	A
Beta-BHC	ND		ug/kg	4.79	1.81	1	A
Heptachlor	ND		ug/kg	2.39	1.07	1	A
Aldrin	ND		ug/kg	4.79	1.68	1	A
Heptachlor epoxide	2.78	J	ug/kg	8.97	2.69	1	A
Endrin	ND		ug/kg	1.99	0.818	1	A
Endrin aldehyde	ND		ug/kg	5.98	2.09	1	A
Endrin ketone	ND		ug/kg	4.79	1.23	1	A
Dieldrin	ND		ug/kg	2.99	1.50	1	A
4,4'-DDE	2.74	J	ug/kg	4.79	1.11	1	B
4,4'-DDD	ND		ug/kg	4.79	1.71	1	A
4,4'-DDT	ND		ug/kg	8.97	3.85	1	A
Endosulfan I	ND		ug/kg	4.79	1.13	1	A
Endosulfan II	ND		ug/kg	4.79	1.60	1	A
Endosulfan sulfate	ND		ug/kg	1.99	0.949	1	A
Methoxychlor	ND		ug/kg	8.97	2.79	1	A
Toxaphene	ND		ug/kg	89.7	25.1	1	A
cis-Chlordane	ND		ug/kg	5.98	1.67	1	A
trans-Chlordane	ND		ug/kg	5.98	1.58	1	A
Chlordane	ND		ug/kg	38.9	15.8	1	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-05

Date Collected: 09/13/18 14:10

Client ID: CC-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	53		30-150	B
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	34		30-150	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/20/18 13:18
 Analyst: KEG

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1157270-1						
Delta-BHC	ND		ug/kg	4.26	0.833	A
Lindane	ND		ug/kg	1.77	0.792	A
Alpha-BHC	ND		ug/kg	1.77	0.504	A
Beta-BHC	ND		ug/kg	4.26	1.61	A
Heptachlor	ND		ug/kg	2.13	0.954	A
Aldrin	ND		ug/kg	4.26	1.50	A
Heptachlor epoxide	ND		ug/kg	7.98	2.39	A
Endrin	ND		ug/kg	1.77	0.727	A
Endrin aldehyde	ND		ug/kg	5.32	1.86	A
Endrin ketone	ND		ug/kg	4.26	1.10	A
Dieldrin	ND		ug/kg	2.66	1.33	A
4,4'-DDE	ND		ug/kg	4.26	0.984	A
4,4'-DDD	ND		ug/kg	4.26	1.52	A
4,4'-DDT	ND		ug/kg	7.98	3.42	A
Endosulfan I	ND		ug/kg	4.26	1.00	A
Endosulfan II	ND		ug/kg	4.26	1.42	A
Endosulfan sulfate	ND		ug/kg	1.77	0.844	A
Methoxychlor	ND		ug/kg	7.98	2.48	A
Toxaphene	ND		ug/kg	79.8	22.3	A
cis-Chlordane	ND		ug/kg	5.32	1.48	A
trans-Chlordane	ND		ug/kg	5.32	1.40	A
Chlordane	ND		ug/kg	34.6	14.1	A

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/20/18 13:18
 Analyst: KEG

Extraction Method: EPA 3540C
 Extraction Date: 09/15/18 12:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/16/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1157270-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	60		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1157270-2 WG1157270-3									
Delta-BHC	92		99		30-150	7		30	A
Lindane	92		101		30-150	9		30	A
Alpha-BHC	103		111		30-150	7		30	A
Beta-BHC	92		103		30-150	11		30	A
Heptachlor	102		113		30-150	10		30	A
Aldrin	100		111		30-150	10		30	A
Heptachlor epoxide	82		76		30-150	8		30	A
Endrin	98		111		30-150	12		30	A
Endrin aldehyde	58		71		30-150	20		30	A
Endrin ketone	71		82		30-150	14		30	A
Dieldrin	102		119		30-150	15		30	A
4,4'-DDE	100		110		30-150	10		30	A
4,4'-DDD	94		106		30-150	12		30	A
4,4'-DDT	98		108		30-150	10		30	A
Endosulfan I	95		106		30-150	11		30	A
Endosulfan II	85		94		30-150	10		30	A
Endosulfan sulfate	70		69		30-150	1		30	A
Methoxychlor	85		95		30-150	11		30	A
cis-Chlordane	81		92		30-150	13		30	A
trans-Chlordane	91		97		30-150	6		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1157270-2 WG1157270-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		80		30-150	B
Decachlorobiphenyl	64		71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	96		105		30-150	A
Decachlorobiphenyl	69		76		30-150	A

METALS

Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-01

Date Collected: 09/13/18 12:20

Client ID: CC-1

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6840		mg/kg	7.64	2.06	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.82	0.290	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Arsenic, Total	4.32		mg/kg	0.764	0.159	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Barium, Total	41.0		mg/kg	0.764	0.133	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Beryllium, Total	0.076	J	mg/kg	0.382	0.025	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Cadmium, Total	0.214	J	mg/kg	0.764	0.075	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Calcium, Total	95300		mg/kg	76.4	26.7	20	09/19/18 06:30	09/20/18 01:53	EPA 3050B	1,6010D	AB
Chromium, Total	25.7		mg/kg	0.764	0.073	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Cobalt, Total	3.99		mg/kg	1.53	0.127	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Copper, Total	7.70		mg/kg	0.764	0.197	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Iron, Total	6540		mg/kg	3.82	0.690	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Lead, Total	15.4		mg/kg	3.82	0.205	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Magnesium, Total	2820		mg/kg	7.64	1.18	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Manganese, Total	129		mg/kg	0.764	0.121	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.065	0.014	1	09/19/18 07:15	09/19/18 15:50	EPA 7471B	1,7471B	MG
Nickel, Total	9.70		mg/kg	1.91	0.185	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Potassium, Total	1600		mg/kg	191	11.0	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.53	0.197	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.764	0.216	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Sodium, Total	636		mg/kg	153	2.41	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.53	0.241	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Vanadium, Total	13.2		mg/kg	0.764	0.155	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB
Zinc, Total	841		mg/kg	3.82	0.224	2	09/19/18 06:30	09/19/18 20:12	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-02

Date Collected: 09/13/18 12:30

Client ID: CC-2

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7260		mg/kg	7.87	2.12	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Antimony, Total	2.96	J	mg/kg	3.94	0.299	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Arsenic, Total	4.49		mg/kg	0.787	0.164	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Barium, Total	52.3		mg/kg	0.787	0.137	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Beryllium, Total	0.102	J	mg/kg	0.394	0.026	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Cadmium, Total	0.464	J	mg/kg	0.787	0.077	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Calcium, Total	79400		mg/kg	78.7	27.6	20	09/19/18 06:30	09/20/18 01:58	EPA 3050B	1,6010D	AB
Chromium, Total	36.0		mg/kg	0.787	0.076	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Cobalt, Total	4.08		mg/kg	1.57	0.131	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Copper, Total	157		mg/kg	0.787	0.203	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Iron, Total	7400		mg/kg	3.94	0.711	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Lead, Total	15.1		mg/kg	3.94	0.211	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Magnesium, Total	2570		mg/kg	7.87	1.21	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Manganese, Total	114		mg/kg	0.787	0.125	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.065	0.014	1	09/19/18 07:15	09/19/18 15:52	EPA 7471B	1,7471B	MG
Nickel, Total	15.1		mg/kg	1.97	0.190	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Potassium, Total	1650		mg/kg	197	11.3	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.57	0.203	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.787	0.223	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Sodium, Total	875		mg/kg	157	2.48	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.57	0.248	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Vanadium, Total	13.2		mg/kg	0.787	0.160	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB
Zinc, Total	164		mg/kg	3.94	0.231	2	09/19/18 06:30	09/19/18 20:16	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-03

Date Collected: 09/13/18 12:35

Client ID: CC-3

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5980		mg/kg	8.15	2.20	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Antimony, Total	1.95	J	mg/kg	4.08	0.310	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Arsenic, Total	24.4		mg/kg	0.815	0.170	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Barium, Total	70.1		mg/kg	0.815	0.142	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Beryllium, Total	0.114	J	mg/kg	0.408	0.027	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Cadmium, Total	0.465	J	mg/kg	0.815	0.080	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Calcium, Total	107000		mg/kg	81.5	28.5	20	09/19/18 06:30	09/20/18 02:02	EPA 3050B	1,6010D	AB
Chromium, Total	10.0		mg/kg	0.815	0.078	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Cobalt, Total	4.04		mg/kg	1.63	0.135	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Copper, Total	52.6		mg/kg	0.815	0.210	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Iron, Total	9260		mg/kg	4.08	0.736	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Lead, Total	44.5		mg/kg	4.08	0.218	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Magnesium, Total	2590		mg/kg	8.15	1.26	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Manganese, Total	88.8		mg/kg	0.815	0.130	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.068	0.014	1	09/19/18 07:15	09/19/18 15:54	EPA 7471B	1,7471B	MG
Nickel, Total	3.59		mg/kg	2.04	0.197	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Potassium, Total	1200		mg/kg	204	11.7	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Selenium, Total	0.448	J	mg/kg	1.63	0.210	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.815	0.231	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Sodium, Total	334		mg/kg	163	2.57	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.63	0.257	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Vanadium, Total	13.3		mg/kg	0.815	0.165	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB
Zinc, Total	130		mg/kg	4.08	0.239	2	09/19/18 06:30	09/19/18 20:21	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

SAMPLE RESULTS

Lab ID: L1836519-04

Date Collected: 09/13/18 13:50

Client ID: CC-4

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6620		mg/kg	7.88	2.13	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.94	0.300	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Arsenic, Total	3.61		mg/kg	0.788	0.164	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Barium, Total	41.2		mg/kg	0.788	0.137	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Beryllium, Total	0.071	J	mg/kg	0.394	0.026	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Cadmium, Total	0.110	J	mg/kg	0.788	0.077	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Calcium, Total	96300		mg/kg	78.8	27.6	20	09/19/18 06:30	09/20/18 02:07	EPA 3050B	1,6010D	AB
Chromium, Total	13.6		mg/kg	0.788	0.076	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Cobalt, Total	2.41		mg/kg	1.58	0.131	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Copper, Total	3.69		mg/kg	0.788	0.203	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Iron, Total	6960		mg/kg	3.94	0.712	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Lead, Total	1.70	J	mg/kg	3.94	0.211	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Magnesium, Total	1960		mg/kg	7.88	1.21	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Manganese, Total	154		mg/kg	0.788	0.125	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.066	0.014	1	09/19/18 07:15	09/19/18 15:59	EPA 7471B	1,7471B	MG
Nickel, Total	5.15		mg/kg	1.97	0.191	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Potassium, Total	908		mg/kg	197	11.4	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Selenium, Total	0.339	J	mg/kg	1.58	0.203	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.788	0.223	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Sodium, Total	401		mg/kg	158	2.48	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.58	0.248	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Vanadium, Total	17.9		mg/kg	0.788	0.160	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB
Zinc, Total	14.0		mg/kg	3.94	0.231	2	09/19/18 06:30	09/19/18 20:25	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**SAMPLE RESULTS**

Lab ID: L1836519-05

Date Collected: 09/13/18 14:10

Client ID: CC-5

Date Received: 09/13/18

Sample Location: MELVILLE, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Solid

Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5980		mg/kg	7.77	2.10	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	3.88	0.295	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Arsenic, Total	4.27		mg/kg	0.777	0.162	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Barium, Total	40.0		mg/kg	0.777	0.135	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Beryllium, Total	0.062	J	mg/kg	0.388	0.026	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Cadmium, Total	0.194	J	mg/kg	0.777	0.076	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Calcium, Total	75800		mg/kg	77.7	27.2	20	09/19/18 06:30	09/20/18 02:12	EPA 3050B	1,6010D	AB
Chromium, Total	22.4		mg/kg	0.777	0.075	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Cobalt, Total	5.01		mg/kg	1.55	0.129	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Copper, Total	9.53		mg/kg	0.777	0.200	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Iron, Total	5460		mg/kg	3.88	0.701	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Lead, Total	11.3		mg/kg	3.88	0.208	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Magnesium, Total	2290		mg/kg	7.77	1.20	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Manganese, Total	101		mg/kg	0.777	0.124	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.066	0.014	1	09/19/18 07:15	09/19/18 16:01	EPA 7471B	1,7471B	MG
Nickel, Total	9.30		mg/kg	1.94	0.188	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Potassium, Total	2060		mg/kg	194	11.2	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.55	0.200	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.777	0.220	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Sodium, Total	1060		mg/kg	155	2.45	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.55	0.245	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Vanadium, Total	11.7		mg/kg	0.777	0.158	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB
Zinc, Total	38.2		mg/kg	3.88	0.228	2	09/19/18 06:30	09/19/18 20:30	EPA 3050B	1,6010D	AB



Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1158377-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Calcium, Total	6.03		mg/kg	4.00	1.40	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Chromium, Total	0.040	J	mg/kg	0.400	0.038	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Iron, Total	0.584	J	mg/kg	2.00	0.361	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Manganese, Total	0.364	J	mg/kg	0.400	0.064	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC
Zinc, Total	0.272	J	mg/kg	2.00	0.117	1	09/19/18 06:30	09/19/18 12:25	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1158381-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	09/19/18 07:15	09/19/18 12:09	1,7471B	MG



Project Name: NEWSDAY

Lab Number: L1836519

Project Number: 52692

Report Date: 09/20/18

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1158377-2 SRM Lot Number: D102-540								
Aluminum, Total	67		-		49-150	-		
Antimony, Total	136		-		1-199	-		
Arsenic, Total	94		-		83-117	-		
Barium, Total	92		-		83-118	-		
Beryllium, Total	97		-		83-116	-		
Cadmium, Total	101		-		83-118	-		
Calcium, Total	89		-		82-118	-		
Chromium, Total	91		-		83-117	-		
Cobalt, Total	94		-		84-116	-		
Copper, Total	97		-		84-116	-		
Iron, Total	80		-		61-139	-		
Lead, Total	94		-		82-118	-		
Magnesium, Total	82		-		76-124	-		
Manganese, Total	92		-		82-118	-		
Nickel, Total	92		-		83-117	-		
Potassium, Total	81		-		70-130	-		
Selenium, Total	102		-		79-121	-		
Silver, Total	94		-		80-120	-		
Sodium, Total	100		-		74-126	-		
Thallium, Total	99		-		81-119	-		
Vanadium, Total	91		-		80-120	-		

Lab Control Sample Analysis Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1158377-2 SRM Lot Number: D102-540					
Zinc, Total	92	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1158381-2 SRM Lot Number: D102-540					
Mercury, Total	94	-	65-134	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1158377-3			QC Sample: L1837127-07			Client ID: MS Sample			
Aluminum, Total	9880	190	10600	379	Q	-	-		75-125	-		20
Antimony, Total	0.310J	47.5	28.2	59	Q	-	-		75-125	-		20
Arsenic, Total	6.00	11.4	15.6	84		-	-		75-125	-		20
Barium, Total	60.4	190	204	76		-	-		75-125	-		20
Beryllium, Total	0.497	4.75	4.08	75		-	-		75-125	-		20
Cadmium, Total	0.610	4.84	4.27	76		-	-		75-125	-		20
Calcium, Total	12500	949	14500	211	Q	-	-		75-125	-		20
Chromium, Total	15.3	19	27.7	65	Q	-	-		75-125	-		20
Cobalt, Total	7.03	47.5	42.0	74	Q	-	-		75-125	-		20
Copper, Total	17.4	23.7	38.2	88		-	-		75-125	-		20
Iron, Total	17400	94.9	17400	0	Q	-	-		75-125	-		20
Lead, Total	29.6	48.4	64.6	72	Q	-	-		75-125	-		20
Magnesium, Total	3260	949	3960	74	Q	-	-		75-125	-		20
Manganese, Total	630.	47.5	403	0	Q	-	-		75-125	-		20
Nickel, Total	15.8	47.5	50.4	73	Q	-	-		75-125	-		20
Potassium, Total	713.	949	1490	82		-	-		75-125	-		20
Selenium, Total	0.910J	11.4	9.83	86		-	-		75-125	-		20
Silver, Total	ND	28.5	24.5	86		-	-		75-125	-		20
Sodium, Total	84.0J	949	882	93		-	-		75-125	-		20
Thallium, Total	0.546J	11.4	8.12	71	Q	-	-		75-125	-		20
Vanadium, Total	19.0	47.5	56.3	78		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1158377-3		QC Sample: L1837127-07		Client ID: MS Sample		
Zinc, Total	70.4	47.5	112	88	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05			QC Batch ID: WG1158381-3		QC Sample: L1837127-07		Client ID: MS Sample		
Mercury, Total	0.054J	0.16	0.218	136	Q	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: NEWSDAY

Project Number: 52692

Lab Number: L1836519

Report Date: 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1158377-4 QC Sample: L1837127-07 Client ID: DUP Sample						
Arsenic, Total	6.00	6.48	mg/kg	8		20
Barium, Total	60.4	58.8	mg/kg	3		20
Beryllium, Total	0.497	0.462	mg/kg	7		20
Cadmium, Total	0.610	0.516	mg/kg	17		20
Chromium, Total	15.3	14.0	mg/kg	9		20
Copper, Total	17.4	22.9	mg/kg	27	Q	20
Lead, Total	29.6	32.1	mg/kg	8		20
Manganese, Total	630.	392	mg/kg	47	Q	20
Nickel, Total	15.8	17.8	mg/kg	12		20
Selenium, Total	0.910J	0.806J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Zinc, Total	70.4	76.5	mg/kg	8		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1158381-4 QC Sample: L1837127-07 Client ID: DUP Sample						
Mercury, Total	0.054J	0.036J	mg/kg	NC		20

INORGANICS & MISCELLANEOUS

Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836519-01**Client ID:** CC-1**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 12:20**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.4		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836519-02**Client ID:** CC-2**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 12:30**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.7		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836519-03**Client ID:** CC-3**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 12:35**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.3		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836519-04**Client ID:** CC-4**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 13:50**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Project Name: NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18**SAMPLE RESULTS****Lab ID:** L1836519-05**Client ID:** CC-5**Sample Location:** MELVILLE, NY**Date Collected:** 09/13/18 14:10**Date Received:** 09/13/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Solid

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.8		%	0.100	NA	1	-	09/17/18 09:49	121,2540G	AM



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** NEWSDAY**Project Number:** 52692**Lab Number:** L1836519**Report Date:** 09/20/18

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1157620-1 QC Sample: L1836520-04 Client ID: DUP Sample						
Solids, Total	96.1	96.1	%	0		20

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201817:39
Lab Number: L1836519
Report Date: 09/20/18

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836519-01A	Vial Large Septa unpreserved (4oz)	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-01B	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836519-01C	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		TS(7),NYTCL-8081(14),NYTCL-8082-CNCRT(14),NYTCL-8270-CNCRT(14)
L1836519-01X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-01Y	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-01Z	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-02A	Vial Large Septa unpreserved (4oz)	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-02B	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836519-02C	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		TS(7),NYTCL-8081(14),NYTCL-8082-CNCRT(14),NYTCL-8270-CNCRT(14)
L1836519-02X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-02Y	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-02Z	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-03A	Vial Large Septa unpreserved (4oz)	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-03B	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1836519-03C	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		TS(7),NYTCL-8081(14),NYTCL-8082-CNCRT(14),NYTCL-8270-CNCRT(14)

Project Name: NEWSDAY
Project Number: 52692

Serial_No: 09201817:39
Lab Number: L1836519
Report Date: 09/20/18

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1836519-03X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-03Y	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-03Z	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-04A	Vial Large Septa unpreserved (4oz)	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-04B	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1836519-04C	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		TS(7),NYTCL-8081(14),NYTCL-8082-CNCRT(14),NYTCL-8270-CNCRT(14)
L1836519-04X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-04Y	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-04Z	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-05A	Vial Large Septa unpreserved (4oz)	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-05B	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1836519-05C	Glass 500ml/16oz unpreserved	A	NA		4.3	Y	Absent		TS(7),NYTCL-8081(14),NYTCL-8082-CNCRT(14),NYTCL-8270-CNCRT(14)
L1836519-05X	Vial MeOH preserved split	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L1836519-05Y	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)
L1836519-05Z	Vial Water preserved split	A	NA		4.3	Y	Absent	18-SEP-18 14:17	NYTCL-8260(14)

Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

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

Terms

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY**Lab Number:** L1836519**Project Number:** 52692**Report Date:** 09/20/18**Data Qualifiers**

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: NEWSDAY
Project Number: 52692

Lab Number: L1836519
Report Date: 09/20/18

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

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

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



Certification Information

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

Westborough Facility

EPA 624: m/p-xylene, o-xylene

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

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

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

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water

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

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

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

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

Non-Potable Water

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

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

SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

Mansfield Facility:

Drinking Water

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

EPA 522.

Non-Potable Water

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

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

EPA 245.1 Hg.

SM2340B

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

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1	Date Rec'd in Lab 9/14/18	ALPHA Job # L1836519																																								
		Project Information Project Name: Newsday Project Location: Melville, NY Project # 52642 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQuS (1 File) ☐ EQuS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #																																								
Client Information Client: Vertex Address: 3322 US 22 West Branchburg, NJ 08876 St. Rt. Phone: 908-448-2627 Fax: Email: ccook@vertexeng.com		Project Manager: Chris Cook ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days: 5 DAYS		Regulatory Requirement: ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																								
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: X: Concrete chips Please specify Metals or TAL.				ANALYSIS <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th>VOC</th> <th>SVOC</th> <th>TAL Metals</th> <th>Pesticides</th> <th>PCBs</th> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table>		VOC	SVOC	TAL Metals	Pesticides	PCBs	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments										
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>ALPHA Lab ID (Lab Use Only)</th> <th>Sample ID</th> <th colspan="2">Collection</th> <th>Sample Matrix</th> <th>Sampler's Initials</th> </tr> <tr> <th></th> <th></th> <th>Date</th> <th>Time</th> <th></th> <th></th> </tr> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials			Date	Time			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">36579-01</td> <td style="width:15%;">CC-1</td> <td style="width:15%;">9/13/18</td> <td style="width:15%;">12:20</td> <td style="width:15%;">X_i</td> <td style="width:15%;">WS</td> </tr> <tr> <td>-02</td> <td>CC-2</td> <td>↓</td> <td>12:30</td> <td>X_i</td> <td>↓</td> </tr> <tr> <td>-03</td> <td>CC-3</td> <td>↓</td> <td>12:35</td> <td>X_i</td> <td>↓</td> </tr> <tr> <td>-04</td> <td>CC-4</td> <td>↓</td> <td>13:50</td> <td>X_i</td> <td>↓</td> </tr> <tr> <td>-05</td> <td>CC-5</td> <td>↓</td> <td>14:10</td> <td>X_i</td> <td>↓</td> </tr> </table>		36579-01	CC-1	9/13/18	12:20	X _i	WS	-02	CC-2	↓	12:30	X _i	↓	-03	CC-3	↓	12:35	X _i	↓	-04	CC-4	↓	13:50	X _i	↓	-05	CC-5	↓	14:10	X _i	↓	Total Bottles
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials																																									
		Date	Time																																											
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-02	CC-2	↓	12:30	X _i	↓																																									
-03	CC-3	↓	12:35	X _i	↓																																									
-04	CC-4	↓	13:50	X _i	↓																																									
-05	CC-5	↓	14:10	X _i	↓																																									
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015																																										
Container Type A A A A A		Preservative A A A A A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																										
Relinquished By: Wesley Swanson George Wagner Paul Mazzella		Date/Time 9/13/18 17:20 9/13/18 2005 9/14/18 12:00		Received By: George Wagner Paul Mazzella H. Swanson																																										
		Date/Time 9/13/18 17:20 9/13/18 2017 9/14/18 0135																																												

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA123\2018\180919A\
Data File : V23180919A07.D
Acq On : 19 Sep 2018 11:01 am
Operator : VOA123:MV
Sample : l1836519-02D,31H,5.02,5,0.025,,x
Misc : WG1158839,ICAL14769
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 20 07:52:52 2018
Quant Method : I:\VOLATILES\VOA123\2018\180919A\V123_180606N_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Thu Jun 07 13:54:21 2018
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox80919A\V23180919A02.D•

