

ASIAN AMERICANS FOR EQUALITY (AAFE)

QUEENS, NEW YORK

Remedial Investigation Report

OER Project Number: 16EH-N284Q

Prepared for:

Asian Americans for Equality (AAFE)

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REMEDIAL INVESTIGATION REPORT

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LIST OF ACRONYMS

Acronym	Definition
µg/kg	Micrograms per Kilogram
µg/L	Micrograms per Liter
µg/m ³	Micrograms per Cubic Meter
AOC	Area of Concern
AWQSGV	Ambient Water Quality Standards and Guidance Values
BGS	Below Ground Surface
BMP	Below Measuring Point
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
EPA	Environmental Protection Agency
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
mg/kg	Milligrams per Kilogram
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOH	New York City Department of Health
NYC OER	New York City Office of Environmental Remediation
NYSDEC	New York State Department of Environmental Conservation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program

Acronym	Definition
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
QA/QC	Quality Assurance Quality Control
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database
SVOC	Semivolatile Organic Compound
TAL	Target Analyte List
TCE	Trichloroethene / Trichloroethylene
TCL	Target Compound List
USCS	Unified Soil Classification System
UUSCO	Unrestricted Use Soil Cleanup Objective
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Michael Roux, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the AAFE Site, (NYC VCP Site No. has not been assigned yet – project number 16EH-N284Q. I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents, certify that this RIR is accurate to the best of my knowledge, and contains all available environmental information and data regarding the property.

Michael Roux

Qualified Environmental Professional

August 12, 2016

Date


Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (“RIR”) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (“RI”) described in this document is consistent with applicable guidance. It is important to note that the basis for this Remedial Investigation Report is the Proposed Plan, a development scenario described below that is represented by a new 7-story commercial and community facility building with two cellar levels of parking.

Site Location and Current Usage

The Site is located at 133-04 39th Ave in the Flushing section of Queens, New York and is identified as Block 4973 and Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 13,388-square feet and is bounded by 39th Avenue to the north; a gasoline service station to the south; a three story mini-mall containing hair salons, accounting offices, an ink stamp and trophy store, and other offices to the east; and College Point Boulevard to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant parcel due to the demolition (December 2016) of a one-story, cinderblock structure on a concrete slab with a flat roof and the removal of an accessory asphalt-paved parking lot. The structure was used as a community center and wedding studio as recently as the Spring of 2016.

Summary of Proposed Redevelopment Plan

The Proposed Plan envisioned for the Subject site is represented by the new construction of a seven-story, mixed-use building that would include community space, office “incubators,” and offices for Asian Americans for Equality (“AAFE”). The building footprint is almost the entire property dimensions. The remaining space will be a concrete apron in front of the building along 39th Street. The new building would include two levels of below grade parking utilizing both at slab and stacker parking spaces.. The cellar level would extend to a depth of 22 feet below ground surface (“bgs”) resulting in approximately 16,000 tons of soil excavation. The cellar levels would encompass the entire property dimensions, and would be above the groundwater table. Layout of the proposed site development is presented in Appendix A. The current zoning designation is C4-2.

Summary of Past Uses of Site and Areas of Concern

Based on information presented in a 2002 Phase I Environmental Site Assessment prepared by G.C. Environmental, Inc., the site was previously developed with a three-story residential building from years 1892-1951. As of 1951, the Site was developed with the current existing one-story building and was used as a furniture warehouse as well as an automotive garage. A copy of the Phase I is included in Appendix B. No specific areas of concern were observed during any of the inspections.

Summary of the Work Performed under the Remedial Investigation

Roux Associates, Inc., on behalf of AAFE performed the following scope of work:

1. Conducted a Site inspection to identify areas of concern (“AOCs”) and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight soil borings across the entire project Site and collected sixteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from approximately 40 to 45 feet above mean sea level.
2. Depth to groundwater ranges from 35 to 39 feet below ground surface at the Site.
3. Groundwater flow is generally from east/southeast to west/northwest beneath the Site.
4. Bedrock was not encountered at the Site.
5. The stratigraphy of the site, from the surface down, consists of 1 to 8 feet of fill underlain by sand and silt with lesser amounts of gravel, clay, and cobbles. Varying amounts of clay was observed with most of the northeast corner of the property below 20 feet being clay.
6. Analytical results were compared to NYSDEC 6NYCRR Part 375-6.8 Unrestricted Use Soil Cleanup Objectives (SCOs) and Restricted Commercial Use SCOs. Soil/fill samples collected during the RI showed contamination by one volatile organic compound, trichloroethylene (maximum concentration of 78,000 µg/kg), exceeding Unrestricted Use

SCOs. SVOCs were not detected in any of the soil samples. Additional contamination by five metals, including chromium (max. 40 mg/kg), manganese (max. 1,700 mg/kg), mercury (max. 0.28 mg/kg), nickel (max. 95 mg/kg), and zinc (max. 3,100 mg/kg), were detected above Unrestricted Use SCOs. The metals arsenic (max. 22 mg/kg), copper (max. 640 mg/kg), and lead (max. 1,300 mg/kg) were detected above Restricted Commercial Use SCOs within two shallow soil samples. Several other metals were detected at trace concentrations. Two pesticides including 4,4-DDE (max. 4.75 µg/kg) and 4,4-DDT (max. 6.64 P µg/kg) were detected slightly exceeding Unrestricted Use SCOs. Soil boring location RXSB-2 is identified as a shallow hotspot for TCE.

7. Groundwater sample results were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater samples collected during the RI showed contamination with one detection of trichloroethylene in the northeast corner of the site (14 micrograms per liter) that exceeded its respective GQS. In addition, and in comparison to 11 total metals in groundwater above standards, only one dissolved metal, manganese (max. 4,630 µg/L), was detected at the site above GQS. No other compounds were detected above standards.
8. Soil vapor samples collected during the RI were compared to the compounds listed in New York State Department of Health (NYSDOH) Vapor Intrusion Matrices. Soil vapor samples collected during the RI showed that 28 of 63 VOCs analyzed were detected in soil vapor including chlorinated solvents and petroleum related compounds. In comparison to NYSDOH Guidance, assessment of results can only definitively say that action could be required for locations primarily on the north side of the site, where the concentration of trichloroethylene (max. 147 µg/m³) was within the monitoring level ranges established by the State DOH soil vapor guidance matrix. Elsewhere on the site, chlorinated VOCs including 1,1,1-trichloroethane (max. 1.25 µg/m³), carbon tetrachloride (max. 4.83 µg/m³), and tetrachloroethylene (max. 161 µg/m³) were detected in soil vapor. Petroleum-related VOCs (BTEX) were detected at a maximum concentration of 135 µg/m³.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Asian Americans for Equality (“AAFE” or “Enrollee”) has enrolled in the New York City Voluntary Cleanup Program (“NYC VCP”) to investigate and remediate a 13,388-square foot site located at 133-04 39th Ave in the Flushing section of Queens, New York (the “Site”). Mixed commercial and community facility use is proposed for the property. The RI work was performed between June 6, 2016 and June 15, 2016. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective

of human health and the environment consistent with the use of the property pursuant to RCNY § 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 133-04 39th Ave in the Flushing section of Queens, New York and is identified as Block 4973 and Lot 6 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 13,388-square feet and is bounded by 39th Avenue to the north; a gasoline service station to the south; a three story mini-mall containing hair salons, accounting offices, an ink stamp and trophy store, and other offices to the east; and College Point Boulevard to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant parcel due to the demolition (December 2016) of a one-story, cinderblock structure on a concrete slab with a flat roof and the removal of an accessory asphalt-paved parking lot. The structure was used as a community center and wedding studio as recently as the Spring of 2016.

1.2 Proposed Redevelopment Plan

The Proposed Plan envisioned for the Subject site is represented by the new construction of a seven-story, mixed-use building that would include community space, office “incubators,” and offices for Asian Americans for Equality (“AAFE”). The building footprint is almost the entire property dimensions (cellar is entire property dimensions). The remaining space will be a concrete apron in front of the building along 39th Street. The new building would include two levels of below grade parking utilizing both at slab and stacker parking spaces.. The cellar would extend to a depth of 22 feet below ground surface (“bgs”) resulting in approximately 16,000 tons of soil excavation. The cellar levels would encompass the entire property dimensions and would be above the groundwater table. Layout of the proposed Site development is presented in Appendix A. The current zoning designation is C4-2 for commercial and office building use. The proposed use is consistent with existing zoning for the property.

1.3 Description of Surrounding Property

The surrounding area consists of mostly commercial properties, which include offices, hotels, and shopping centers. There are multi-family residential apartment buildings located to the south of the property that includes a daycare facility. These properties are zoned as R6. The Long Island Railroad Flushing Main Street station is located to the south of the Site. Directly north of

the site consists of multi-family walk-up buildings zoned as C4-2. Additional commercial and office buildings are located to the east and west of the Site and are zoned as C4-2. The Office of Environmental Remediation's ("NYC OER's") *SPEED* database did not identify any schools or hospitals facilities within 500 feet of the site. Surrounding land use can be found on Figure 3.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Based on information presented in a 2002 Phase I Environmental Site Assessment prepared by G.C. Environmental, Inc., the site was previously developed with a three-story residential building from years 1892-1951. As of 1951, the Site was developed with the current existing one-story building and was used as a furniture warehouse as well as an automotive garage/repair facility. A copy of the Phase I is included in Appendix B.

2.2 Previous Investigations

In January of 2007, Louis Berger & Associates conducted a geophysical survey; advanced soil borings; and collected soil, soil vapor, and groundwater samples. A copy of the Phase II ESA was previously provided to OER and is included as Appendix C.

Five soil borings were advanced to assess if residual contamination existed in the vicinity of a former 550-gallon capacity underground storage tank (“UST”) that was removed in 1995. Soils consisted of fill material to a depth of 18 feet with no residual soil contamination present in the vicinity of the former UST. The geophysical survey found no evidence of a suspect UST.

Six soil borings were installed inside the building and identified fill material that contained detectable concentrations of some metals, semi-volatile organic compounds (“SVOCs”), as well as petroleum-related impacts in soil. Soil vapor samples collected identified the presence of petroleum-based and chlorinated solvent-based volatile organic compounds (“VOCs”), which were attributed to the previous usage of the Site as an auto repair facility.

A limited off-site investigation was performed which included three combined soil borings and temporary well points. Trichloroethylene (“TCE”) was detected above applicable criteria in two groundwater samples near the northeast corner of the property.

2.3 Site Inspection

Several inspections have been conducted by Roux Associates under the direction of or conducted by Michael Roux, the Qualified Environmental Professional (“QEP”) certifying this report, to evaluate areas of concern in June 2016. No specific areas of concern were observed during any of the inspections.

2.4 Areas of Concern

Based on the previous Phase I and Phase II, the area of concern for the Site is in the vicinity of the former UST. Additionally, there is a regional TCE plume in groundwater that may impact the area below the Site. The previous Phase I and Phase II reports are presented in Appendix B and C respectively.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The QEP responsible for preparation of this RIR is Michael Roux of Roux Associates, Inc.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements as well as the Site specific Health and Safety Plan written by Roux Associates, Inc.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

Roux Associates, Inc., on behalf of AAFE performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed eight soil borings across the entire project Site and collected sixteen soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality; and
4. Installed five soil vapor probes around Site perimeter and two soil vapor probes offsite, and collected seven samples for chemical analysis.

4.1 Geophysical Investigation

A geophysical survey was performed across the entire site in 2006 as part of an earlier investigation to investigate for the presence of potential USTs, drums, etc. that were suspected in a historic Phase I ESA. No evidence of a suspect UST or other subsurface anomalies were reported.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

On June 6-8, 2016, a Geoprobe® direct push drill rig was utilized to advance eight soil borings at the Site. Soil was collected in new, dedicated acetate sleeves in five foot sections and was continuously logged for lithology according to the Unified Soils Classification System (“USCS”) from ground surface to depth. For each boring, the 0 to 5 foot interval was collected using hand tools (i.e. air knife, vacuum unit, and hand auger, etc.) to verify that no underground utilities/obstructions were present at the boring location. Geologic logs completed for each boring are provided in Appendix D. Soils were visually inspected for evidence of impact and screened for organic vapors in the field using a MiniRAE 3000 portable hand-held photo-ionization detector (“PID”). Soil borings designated RXSB-1, RXSB-2, and RXSB-4 were advanced to 40-45 feet bgs for the installation of temporary groundwater monitoring wells. Soil borings designated RXSB-3 and RXSB-5 were advanced to 25 feet bgs for the installation

of soil vapor points. Inside the concrete structure on the Site, a smaller Geoprobe model was required. Soil borings designated RXSB-6, RXSB-7, and RXSB-8 were advanced until refusal at 10, 7.5, and 11.5 feet bgs respectively for the installation of soil vapor sampling points.

Boring logs were prepared by a geologist and are attached in Appendix D. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Temporary 1-inch monitoring wells were installed in the soil boring locations of RXSB-1, RXSB-2, and RXSB-4. MW-1 was installed to 40 feet bgs while MW-2 and MW-4 were installed to 45 feet bgs. The bottom 10 feet of the monitoring wells were constructed of 0.20-inch slotted PVC well screen to straddle the water table found to be around 36 feet bgs. Each well was packed with silica sand, a bentonite seal approximately 2 feet above screen level, and silica sand to ground surface. Wells are identified by stick-up and sealed with J-Plugs.

Monitoring well locations are shown in Figure 2.

Survey

During the RI, all monitoring well locations were measured from fixed points for horizontal location and surveyed to previously surveyed locations using differential leveling for elevation to the nearest 0.01 foot.

Water Level Measurement

All monitoring wells were initially gauged with an interface probe after installation on June 7, 2016 by Roux Associates. Depth to groundwater ranged from 34.95 to 39.75 ft bgs.

Water level data is included in Table 1.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public

health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Sixteen soil samples were collected for chemical analysis during this RI from eight soil borings (RXSB-1 through RXSB-8). Data on soil sample collection for chemical analyses, including dates of collection and sample depths, are reported in Tables 2 through 6. Figure 2 shows the location of samples collected in this investigation. Laboratories and analytical methods are shown below. Soil samples were analyzed for:

- Target Compound List (“TCL”) VOCs;
- TCL SVOCs;
- Target Analyte List (“TAL”) Metals;
- Polychlorinated Biphenyls (“PCBs”); and
- Pesticides.

Discrete (grab) samples were collected at shallow intervals (top two feet of boring locations) and within the two foot interval beneath the proposed bottom of the excavation (22 feet bgs) from the borings advanced in the parking lot. Soil borings within the onsite building were advanced using a hand-cart mounted Geoprobe unit. This unit is small and can access indoor locations, but it’s light weight and has less power than a standard unit making it unable to advance as deep or through the same materials as a standard unit. The indoor locations were unable to be driven to the depth of 22 feet bgs. A second sample was collected from two of these borings from the bottom 2 feet of the boring hole (10 feet bgs at RXSB-6 and 7 feet bgs at RXSB-7). A deeper sample was not collected at RXSB-8. The indoor sampling intervals were a deviation from the OER-approved workplan. In addition, a third sample from soil boring RXSB-2 was collected from the 2-foot interval beneath a layer of fill for a total of three samples from that location.

A quality assurance/quality control (“QA/QC”) sample was collected in the form of a blind duplicate sample from RXSB-4.

Groundwater Sampling

Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data are reported in Tables 7 through 11. Figure 2 shows the location of groundwater sampling. Laboratories and analytical methods are shown below. With the exception of MW-2, groundwater samples were analyzed for:

- TCL VOCs;
- TCL SVOCs;
- TAL Metals (both total and dissolved);
- PCBs; and
- Pesticides.

PCBs and Pesticides were not analyzed in the MW-2 sample due to a lack of recovery. This was a deviation from the OER-approved workplan. In addition, a monitoring well proposed in the OER-approved workplan to be advanced offsite to the east along 39th Avenue (proposed MW-3) was not installed. This monitoring well requires a NYC sidewalk permit which has not been granted by the City since the application was filed in May 2016. No reason has been provided by the drilling subcontractor handling the permit application other than the permit is “administratively held.”

Groundwater samples were collected using a combination of a check valve and peristaltic pump with disposable sampling equipment dedicated to each location. Filtered samples were filtered by the laboratory. One duplicate sample was also collected for QA/QC purposes from MW-4. All samples were collected in laboratory supplied containers and placed in coolers with ice. All samples were shipped by courier to the laboratory and analyzed by Alpha Analytical of Westborough, Massachusetts, an ELAP-certified laboratory.

Soil Vapor Sampling

Seven soil vapor probes (RXSV-1 through RXSV-5, SV-201, and SV-202) were installed and seven soil vapor samples were collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table

12. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

During this RI, soil vapor points were installed by using a Geoprobe drill rig or through low-impact clearing methods (SV-201 and SV-202 used a vacuum, air knife, and hand tools). New Teflon™-lined tubing equipped with a threaded stainless steel fitting was lowered into the borehole and attached to the expendable soil vapor sampling point. RXSV-1 and RXSV-4 were installed from 23 feet to 24 feet bgs. RXSV-2, RXSV-3, and RXS-5 were installed at the bottom of the boreholes equating to 10 feet, 7 feet, and 11.5 feet bgs, respectively. SV-201 and SV-202 were installed to 5.2 and 6 feet, respectively. The borehole was filled with sand to 2 feet above the top of the screen with a minimum of a two-foot thick bentonite seal placed above the sand pack to prevent infiltration of ambient air. Prior to sample collection, the Teflon™-lined tubing was purged of approximately two volumes of the tubing using a vacuum pump set at a rate of 0.2 liters per minute. A tracer gas (i.e., helium) was used to enrich the atmosphere in a shroud covering the borehole in order to test the borehole seal and verify that ambient air was not being drawn into the sample. Following purging and verification with the tracer gas, the soil vapor sample was collected in the laboratory supplied 2.7-liter SUMMA canister.

All samples were shipped by courier to the laboratory and analyzed by Alpha Analytical of Westborough, Massachusetts, a New York State Department of Health (“NYSDOH”) Environmental Laboratory Accreditation Program (“ELAP”) certified laboratory for VOCs.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Michael Roux
Chemical Analytical Laboratory	Chemical analytical laboratory used in the RI is NYS ELAP certified and was Alpha Analytical of Westborough, Massachusetts
Chemical Analytical Methods	Soil analytical methods: TAL Metals by EPA Method 6010C (rev. 2007);

Factor	Description
	• VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); and • PCBs by EPA Method 8082A (rev. 2000). Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); and • PCBs by EPA Method 8082A (rev. 2000). Soil vapor analytical methods: • VOCs by EPA Method TO-15.

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 2 through 12, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix E.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Stratigraphy

Three distinct geologic strata were encountered at the Site from land surface to a maximum depth of 45 feet. These strata include from land surface downward:

- Fill material primarily consisting of sand and silt with traces of clay, gravel, brick, and glass, commonly referred to as “historic fill”, is present throughout most of the Site with a thickness that ranges from approximately 1 to 8 feet. The fill material from the 1 to 5 foot bgs interval at RXSB-2 was sand and slag. Slag was not observed at other locations.
- Brown sand and silt with lesser amounts of gravel, clay, and cobbles underlies the “historic fill” strata and extends downward to at least 45 feet bgs in RXSB-4.
- Varying amounts of clay was observed at the Site with minor amounts throughout the soil column in scattered locations (RXSB-1, RXSB-2, RXSB-6, and RXSB-8). A solid clay layer was encountered at 40 feet bgs in the northwest corner of the property (RXSB-1) and most of the northeast corner of the property was clay below 20 feet bgs (RXSB-2).

Hydrogeology

A table of water level data for all monitor wells is included in Table 1. The average depth to groundwater measured on June 15, 2016 is 35.78 ft below the measuring point (“bmp”) and the range in depth is 35.06 ft bmp to 36.48 ft bmp. However, the significant amount of clay encountered at MW-2 in the northeast corner of the property, and the lack of the clay at the other soil borings advanced on the Site, made us initially consider the MW-2 water level suspect, at least for determination of groundwater flow. Once compared to the other onsite measurements, that suspicion was verified as flow across the site would be from west to east, which goes against regional data. As shown in Appendix F, regional groundwater flow measured on the north side of 39th Avenue is in a westerly direction towards College Point Boulevard and continuing westerly to Flushing Creek. Based on subsurface geology our assessment is that groundwater flows locally at the site from the east/southeast to the west/northwest and groundwater in the northeast corner of the property is impacted by clay layers not observed elsewhere.

5.2 Soil Chemistry

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 2 through 6. Figure 4 shows the locations and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

A total of 16 soil samples were collected for laboratory analysis from 8 soil borings located at the Site.

VOCs

In one of the 16 soil samples collected, one VOC was detected above its SCO. Trichloroethylene (“TCE”) was detected at RXSB-2 (0-2 feet bgs) at a concentration of 78,000 micrograms per kilogram (“µg/kg”). The samples collected from RXSB-2 (0-5 feet bgs) and RXSB-2 (22-24 feet bgs) had TCE concentrations of 2.5 ug/kg and non-detect at a detection limit of 1.4 ug/kg, respectively.

SVOCs

There were no exceedances of the SCO for SVOCs throughout the Site.

Metals

In nine of the 16 soil samples collected, and one of the associated duplicate samples, metals were detected above their SCOs. Eight out of the 21 metals analyzed (arsenic, chromium, copper, lead, manganese, mercury, nickel, and zinc) were detected above their unrestricted use soil cleanup objectives (“UUSCOs”) in at least one sample, and three (arsenic, copper, and lead) were detected above their UUSCOs and CUSCOs in at least one sample (Table 4). Seven of the 16 samples where metals were detected above SCOs were from the zero to two foot interval below grade. The exceedance of UUSCOs in the intermediate sample from RXSB-2 (5-7 feet bgs), located in the north east corner of the asphalt lot, was for total chromium with a concentration of 32 milligrams per kilogram (“mg/kg”). The exceedance of UUSCOs in the deep sample from RXSB-1 (20-22 feet bgs), located in the north west corner of the asphalt lot, was for manganese with a concentration of 1,700 mg/kg. There were two exceedances of the UUSCO and one exceedance of the CUSCO for arsenic, with a maximum concentration of 22 mg/kg at RXSB-2 (0-2 feet bgs). There was one exceedance of the UUSCO for chromium, with a maximum concentration of 40 mg/kg at RXSB-2 (0-2 feet bgs). There were three

exceedances of the UUSCO and one exceedance for the CUSCO for copper, with a maximum concentration of 640 mg/kg at RXSB-2 (0-2 feet bgs). There were seven exceedances of the UUSCO and one exceedance of the CUSCO for lead, with a maximum concentration of 1,300 mg/kg at RXSB-8 (0-2 feet bgs). There were two exceedances of the UUSCO for mercury, with a maximum concentration of 0.28 mg/kg at RXSB-6 (0-2 feet bgs). There was one exceedance of the UUSCO for nickel, with a maximum concentration of 95 mg/kg at RXSB-2 (0-2 feet bgs). There were three exceedances of the UUSCO for zinc, with a maximum concentration of 3,100 mg/kg at RXSB-2 (0-2 feet bgs).

PCBs

There were no exceedances of the SCO for total PCBs throughout the Site.

Pesticides

The intermediate and deep soil samples did not have any exceedances of UUSCOs for pesticides. Exceedances of pesticides were encountered in four of the shallow level soil samples. There was one exceedance of the UUSCO for 4,4'-DDE, with a concentration of 4.75 µg/kg at RXSB-2 (0-2 feet bgs). There were four exceedances of the UUSCO for 4,4'-DDT, with a maximum concentration of 6.64 µg/kg at RXSB-5 (0-2 feet bgs).

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 7 through 11. Exceedances of applicable groundwater standards are shown.

Figure 5 shows the locations and posts the values for groundwater that exceed the New York State 6 NYCRR Part 703.5 Class GA groundwater standards.

VOCs

There was one VOC detected at concentrations that exceed New York State Department of Environmental Conservation (“NYSDEC”) Ambient Water Quality Standards and Guidance Values (“AWQSGVs”). Trichloroethylene (“TCE”) was detected at a concentration of 14 micrograms per liter (“µg/L”) at MW-2.

SVOCs

SVOCs were not detected at concentrations that exceed NYSDEC AWQSGVs.

Metals (Total)

Groundwater from every sample collected contained one or more total metals (not filtered) at concentrations that exceed the NYSDEC AWQSGVs. Total arsenic was detected at MW-2 with a concentration of 42.5 µg/L. Total barium ranged from 1,010 µg/L at MW-2 to 3,344 µg/L at MW-4. Total beryllium ranged from 4.2 µg/L at MW-4 to 8.2 µg/L at MW-1. Total chromium ranged from 196.8 µg/L at MW-4 to 854.9 µg/L at MW-1. Total copper was detected at MW-1 with a concentration of 286.2 µg/L. Total iron ranged from 122,000 µg/L at MW-2 to 235,000 µg/L at MW-1. Total lead ranged from 87.9 µg/L at MW-4 to 617.6 µg/L at MW-2. Total manganese ranged from 10,400 µg/L at MW-2 to 15,770 µg/L at MW-4. Total nickel ranged from 174.3 µg/L at MW-4 to 301.7 µg/L at MW-2. Total selenium ranged from 29 µg/L at MW-2 to 49 µg/L at MW-1. Total thallium ranged from 0.6 µg/L at MW-2 to 0.8 µg/L at MW-1.

Most of these exceedances are not considered to be indicative of groundwater quality at the Site, but rather reflect the presence of sediment within the groundwater sample. The concentrations of dissolved metals, which better reflect the groundwater quality at the Site, are discussed below. The exceedances of NYSDEC AWQSGVs for the groundwater samples are shown on Figure 5.

Metals (Dissolved)

Manganese was detected in all three monitoring wells with a maximum concentration of 4,630 µg/L at MW-2. The exceedances of the NYSDEC AWQSGVs for the groundwater samples are shown on Figure 5.

PCBs

PCBs were not detected at concentrations that exceed NYSDEC AWQSGVs.

Pesticides

Pesticides were not detected at concentrations that exceed NYSDEC AWQSGVs.

5.4 Soil Vapor Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 12.

Figure 6 shows the locations and posts the values for soil vapor samples with detected concentrations.

Twenty eight of 63 VOCs analyzed for were detected in at least one soil vapor sample and all soil vapor samples had at least one VOC detected. Low concentrations of petroleum-related VOCs were detected in six soil vapor samples. Benzene detections ranged from 0.687 micrograms per cubic meter (“ $\mu\text{g}/\text{m}^3$ ”) to $14.1 \mu\text{g}/\text{m}^3$, with the maximum detection at RXSV-4. Ethylbenzene detections ranged from $1.54 \mu\text{g}/\text{m}^3$ to $6.73 \mu\text{g}/\text{m}^3$, with the maximum detection at RXSV-2. Toluene detections ranged from $10 \mu\text{g}/\text{m}^3$ to $88.9 \mu\text{g}/\text{m}^3$, with the maximum detection at SV-202. Total xylene detections ranged from $7.36 \mu\text{g}/\text{m}^3$ to $35.6 \mu\text{g}/\text{m}^3$, with the maximum detection at RXSV-1. The highest concentration of any compound was $16,300 \mu\text{g}/\text{m}^3$ of acetone detected at RXSV-4.

Regulatory guidance on soil vapor and indoor air quality is presented in Matrix 1 and Matrix 2 from the NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Matrix 1 addresses TCE, carbon tetrachloride, and vinyl chloride, and Matrix 2 addresses 1,1-dichloroethene, cis-1,2-dichloroethene, tetrachloroethene and 1,1,1-trichloroethane. The matrices establish the conditions that require a response (i.e., monitoring, mitigation, or source identification) based on an evaluation of indoor air concentrations and sub-slab vapor concentrations. While the matrices are designed for evaluation of sub-slab and indoor samples and not for pre-development soil vapor sampling, comparisons of TCE and carbon tetrachloride to Matrix 1 and tetrachloroethene and 1,1,1-trichloroethane to Matrix 2 were performed. TCE was detected in six soil vapor samples at concentrations ranging from $6.3 \mu\text{g}/\text{m}^3$ in SV-201 to $147 \mu\text{g}/\text{m}^3$ in RXSV-4. Carbon tetrachloride was detected in one of the soil vapor samples, RXSV-5, at a concentration of $4.83 \mu\text{g}/\text{m}^3$. Tetrachloroethene was detected in six of the soil vapor samples at concentrations ranging from $2.79 \mu\text{g}/\text{m}^3$ in SV-202 to $161 \mu\text{g}/\text{m}^3$ in RXSV-3. 1,1,1-Trichloroethane was detected in one of the soil vapor samples, RXSV-3, at a

concentration of 1.25 µg/m³. Cis-1,2-dichloroethene, 1,1-dichloroethene, and vinyl chloride were not detected in any soil vapor samples during this RI.

As indoor air samples were not collected, comparison of results to the matrices can only definitively say that action could be required for locations primarily on the north side of the site, both under the prior existing building and parking lot. As described above, a vapor barrier under the two levels of parking presented in the Proposed Plan extending to the entire footprint of the site is planned as part of the building construction. Additional details of the vapor barrier and proposed building will be provided in the future Remedial Action Plan.

5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

The contamination identified at the Site will require a remedial action and a Remedial Action Work Plan will be prepared for OER approval that will fully describe the required action. There are no known impediments to remedial action at this property.

TABLES

1. Summary of Water Levels
2. Summary of Volatile Organic Compounds in Soil
3. Summary of Semivolatile Organic Compounds in Soil
4. Summary of Metals in Soil
5. Summary of Polychlorinated Biphenyls in Soil
6. Summary of Pesticides in Soil
7. Summary of Volatile Organic Compounds in Groundwater
8. Summary of Semivolatile Organic Compounds in Groundwater
9. Summary of Metals in Groundwater
10. Summary of Polychlorinated Biphenyl Compounds in Groundwater
11. Summary of Pesticides in Groundwater
12. Summary of Volatile Organic Compounds in Soil Vapor

Table 1. Summary of Water Levels, AAFE, 133-04 39th Avenue, Flushing, New York

Well Designation	Elevation of Measuring Point (ft amsl)	06/07/16		06/15/16	
		Depth To Water (ft bmp)	Water Table Elevation (ft amsl)	Depth To Water (ft bmp)	Water Table Elevation (ft amsl)
MW-1	44.09	-	-	35.06	9.03
MW-2	44.75	-	-	36.48	8.27
MW-4	45.50	-	-	35.80	9.70

Well Designation	Elevation of Ground Surface (ft amsl)	Depth To Water (ft bgs)	Water Table Elevation (ft amsl)	Depth To Water (ft bgs)	Water Table Elevation (ft amsl)
MW-1	44.37	34.95	9.42	-	-
MW-2	45.29	39.75	5.54	-	-
MW-4	45.81	36.10	9.71	-	-

NOTES:

- - Not measured
 amsl - above mean sea level
 bmp - below measuring point
 bgs - below ground surface
 ft - feet

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
1,1,1-Trichloroethane	680	500000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
1,1,2-Trichloroethane	--	--	UG/KG	1.6 U	1.6 U	570 U	1.8 U	2 U	1.6 U	
1,1-Dichloroethane	270	240000	UG/KG	1.6 U	1.6 U	570 U	1.8 U	2 U	1.6 U	
1,1-Dichloroethene	330	500000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
1,1-Dichloropropene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2,3-Trichlorobenzene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2,3-Trichloropropane	--	--	UG/KG	11 U	10 U	3800 U	12 U	14 U	11 U	
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	4.3 U	4.2 U	1500 U	4.8 U	5.5 U	4.4 U	
1,2,4-Trichlorobenzene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2,4-Trimethylbenzene	3600	190000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	4.3 U	4.2 U	1500 U	4.8 U	5.5 U	4.4 U	
1,2-Dichlorobenzene	1100	500000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,2-Dichloroethane	20	30000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
1,2-Dichloropropane	--	--	UG/KG	3.8 U	3.7 U	1300 U	4.2 U	4.8 U	3.8 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,3-Dichlorobenzene	2400	280000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,3-Dichloropropane	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,4-Dichlorobenzene	1800	130000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
1,4-Diethyl Benzene	--	--	UG/KG	4.3 U	4.2 U	1500 U	4.8 U	5.5 U	4.4 U	
1,4-Dioxane (P-Dioxane)	100	130000	UG/KG	110 U	100 U	38000 U	120 U	140 U	110 U	
2,2-Dichloropropane	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
2-Chlorotoluene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
2-Hexanone	--	--	UG/KG	11 U	10 U	3800 U	12 U	14 U	11 U	
4-Chlorotoluene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
4-Ethyltoluene	--	--	UG/KG	4.3 U	4.2 U	1500 U	4.8 U	5.5 U	4.4 U	
Acetone	50	500000	UG/KG	5.6 J	7 J	3800 U	3.6 J	21	2.6 J	

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Acrylonitrile	--	--	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Benzene	60	44000	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Bromobenzene	--	--	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U
Bromochloromethane	--	--	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U
Bromodichloromethane	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Bromoform	--	--	UG/KG		4.3 U	4.2 U	1500 U	4.8 U	5.5 U	4.4 U
Bromomethane	--	--	UG/KG		2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U
Carbon Disulfide	--	--	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Carbon Tetrachloride	760	22000	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Chlorobenzene	1100	500000	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Chloroethane	--	--	UG/KG		2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U
Chloroform	370	350000	UG/KG		1.6 U	1.6 U	570 U	1.8 U	2 U	1.6 U
Chloromethane	--	--	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U
Cis-1,2-Dichloroethylene	250	500000	UG/KG		1.1 U	1 U	80 J	1.2 U	1.4 U	1.1 U
Cis-1,3-Dichloropropene	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Cymene	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Dibromochloromethane	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Dibromomethane	--	--	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Dichlorodifluoromethane	--	--	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Dichloroethylenes	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Diethyl Ether (Ethyl Ether)	--	--	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U
Ethylbenzene	1000	390000	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
Hexachlorobutadiene	--	--	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U
Isopropylbenzene (Cumene)	--	--	UG/KG		1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U
m,p-Xylene	--	--	UG/KG		2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U
Methyl Ethyl Ketone (2-Butanone)	120	500000	UG/KG		11 U	1.3 J	3800 U	12 U	1.6 J	11 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Methylene Chloride	50	500000	UG/KG		11 U	10 U	3800 U	12 U	14 U	11 U
Naphthalene	12000	500000	UG/KG		5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
N-Butylbenzene	12000	500000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
N-Propylbenzene	3900	500000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U	
Sec-Butylbenzene	11000	500000	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
Styrene	--	--	UG/KG	2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U	
T-Butylbenzene	5900	500000	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
Tert-Butyl Methyl Ether	930	500000	UG/KG	2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U	
Tetrachloroethylene (PCE)	1300	150000	UG/KG	1.1 U	1 U	470	1.2 U	1.4 U	1.1 U	
Toluene	700	500000	UG/KG	0.71 J	2.2	570 U	2.9	4.8	2.6	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
Trans-1,2-Dichloroethene	190	500000	UG/KG	1.6 U	1.6 U	570 U	1.8 U	2 U	1.6 U	
Trans-1,3-Dichloropropene	--	--	UG/KG	1.1 U	1 U	380 U	1.2 U	1.4 U	1.1 U	
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
Trichloroethylene (TCE)	470	200000	UG/KG	1.1 U	0.89 J	78000	2.5	1.4 U	0.62 J	
Trichlorofluoromethane	--	--	UG/KG	5.4 U	5.3 U	1900 U	6 U	6.8 U	5.5 U	
Vinyl Acetate	--	--	UG/KG	11 U	10 U	3800 U	12 U	14 U	11 U	
Vinyl Chloride	20	13000	UG/KG	2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U	
Xylenes	260	500000	UG/KG	2.2 U	2.1 U	760 U	2.4 U	2.7 U	2.2 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
1,1,1-Trichloroethane	680	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
1,1,2-Trichloroethane	--	--	UG/KG	1.7 U	1.6 U	1.6 U	1.7 U	1.8 U	1.8 U	
1,1-Dichloroethane	270	240000	UG/KG	1.7 U	1.6 U	1.6 U	1.7 U	1.8 U	1.8 U	
1,1-Dichloroethene	330	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
1,1-Dichloropropene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2,3-Trichlorobenzene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2,3-Trichloropropane	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.4 U	4.8 U	4.8 U	
1,2,4-Trichlorobenzene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2,4-Trimethylbenzene	3600	190000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.4 U	4.8 U	4.8 U	
1,2-Dichlorobenzene	1100	500000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,2-Dichloroethane	20	30000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
1,2-Dichloropropane	--	--	UG/KG	4.1 U	3.7 U	3.7 U	3.9 U	4.2 U	4.2 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,3-Dichlorobenzene	2400	280000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,3-Dichloropropane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,4-Dichlorobenzene	1800	130000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
1,4-Diethyl Benzene	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.4 U	4.8 U	4.8 U	
1,4-Dioxane (P-Dioxane)	100	130000	UG/KG	120 U	100 U	100 U	110 U	120 U	120 U	
2,2-Dichloropropane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
2-Chlorotoluene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
2-Hexanone	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
4-Chlorotoluene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
4-Ethyltoluene	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.4 U	4.8 U	4.8 U	
Acetone	50	500000	UG/KG	8.3 J	12	8.5 J	5.7 J	7 J	6.5 J	

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Acrylonitrile	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Benzene	60	44000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Bromobenzene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
Bromochloromethane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
Bromodichloromethane	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Bromoform	--	--	UG/KG	4.6 U	4.2 U	4.2 U	4.4 U	4.8 U	4.8 U	
Bromomethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	
Carbon Disulfide	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Carbon Tetrachloride	760	22000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Chlorobenzene	1100	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Chloroethane	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	
Chloroform	370	350000	UG/KG	1.7 U	1.6 U	1.6 U	1.7 U	1.8 U	1.8 U	
Chloromethane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
Cis-1,2-Dichloroethylene	250	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Cis-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Cymene	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Dibromochloromethane	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Dibromomethane	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Dichlorodifluoromethane	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Dichloroethylenes	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
Ethylbenzene	1000	390000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
Hexachlorobutadiene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	
Isopropylbenzene (Cumene)	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	
m,p-Xylene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	
Methyl Ethyl Ketone (2-Butanone)	120	500000	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Methylene Chloride	50	500000	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	
Naphthalene	12000	500000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
N-Butylbenzene	12000	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
N-Propylbenzene	3900	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
Sec-Butylbenzene	11000	500000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
Styrene	--	--	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
T-Butylbenzene	5900	500000	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	6.1 U
Tert-Butyl Methyl Ether	930	500000	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
Tetrachloroethylene (PCE)	1300	150000	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
Toluene	700	500000	UG/KG	4.7	0.64 J	0.66 J	0.8 J	1.8 U	1.8 U	0.79 J
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
Trans-1,2-Dichloroethene	190	500000	UG/KG	1.7 U	1.6 U	1.6 U	1.7 U	1.8 U	1.8 U	1.8 U
Trans-1,3-Dichloropropene	--	--	UG/KG	1.2 U	1 U	1 U	1.1 U	1.2 U	1.2 U	1.2 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	6.1 U
Trichloroethylene (TCE)	470	200000	UG/KG	1.2 U	1 U	1 U	1.1 U	0.86 J	1.2 U	1.2 U
Trichlorofluoromethane	--	--	UG/KG	5.8 U	5.3 U	5.3 U	5.6 U	6 U	6.1 U	6.1 U
Vinyl Acetate	--	--	UG/KG	12 U	10 U	10 U	11 U	12 U	12 U	12 U
Vinyl Chloride	20	13000	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U
Xylenes	260	500000	UG/KG	2.3 U	2.1 U	2.1 U	2.2 U	2.4 U	2.4 U	2.4 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
1,1,1,2-Tetrachloroethane	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
1,1,1-Trichloroethane	680	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
1,1,2,2-Tetrachloroethane	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
1,1,2-Trichloroethane	--	--	UG/KG	2 U	2 U	1.9 U	1.8 U	2 U	
1,1-Dichloroethane	270	240000	UG/KG	2 U	2 U	1.9 U	1.8 U	2 U	
1,1-Dichloroethene	330	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
1,1-Dichloropropene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2,3-Trichlorobenzene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2,3-Trichloropropane	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
1,2,4,5-Tetramethylbenzene	--	--	UG/KG	5.2 U	5.3 U	5.2 U	4.9 U	5.4 U	
1,2,4-Trichlorobenzene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2,4-Trimethylbenzene	3600	190000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2-Dibromo-3-Chloropropane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/KG	5.2 U	5.3 U	5.2 U	4.9 U	5.4 U	
1,2-Dichlorobenzene	1100	500000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,2-Dichloroethane	20	30000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
1,2-Dichloropropane	--	--	UG/KG	4.6 U	4.6 U	4.5 U	4.3 U	4.7 U	
1,3,5-Trimethylbenzene (Mesitylene)	8400	190000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,3-Dichlorobenzene	2400	280000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,3-Dichloropropane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,4-Dichlorobenzene	1800	130000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
1,4-Diethyl Benzene	--	--	UG/KG	5.2 U	5.3 U	5.2 U	4.9 U	5.4 U	
1,4-Dioxane (P-Dioxane)	100	130000	UG/KG	130 U	130 U	130 U	120 U	140 U	
2,2-Dichloropropane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
2-Chlorotoluene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
2-Hexanone	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
4-Chlorotoluene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
4-Ethyltoluene	--	--	UG/KG	5.2 U	5.3 U	5.2 U	4.9 U	5.4 U	
Acetone	50	500000	UG/KG	37	9 J	13	4 J	26	

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Acrylonitrile	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Benzene	60	44000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Bromobenzene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Bromochloromethane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Bromodichloromethane	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Bromoform	--	--	UG/KG	5.2 U	5.3 U	5.2 U	4.9 U	5.4 U	
Bromomethane	--	--	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Carbon Disulfide	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Carbon Tetrachloride	760	22000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	0.99 J	
Chlorobenzene	1100	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Chloroethane	--	--	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Chloroform	370	350000	UG/KG	2 U	2 U	1.9 U	1.8 U	2 U	
Chloromethane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Cis-1,2-Dichloroethylene	250	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Cis-1,3-Dichloropropene	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Cymene	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Dibromochloromethane	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Dibromomethane	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Dichlorodifluoromethane	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Dichloroethylenes	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Diethyl Ether (Ethyl Ether)	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Ethylbenzene	1000	390000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Hexachlorobutadiene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Isopropylbenzene (Cumene)	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
m,p-Xylene	--	--	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Methyl Ethyl Ketone (2-Butanone)	120	500000	UG/KG	4.7 J	13 U	1.2 J	12 U	2.1 J	
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Methylene Chloride	50	500000	UG/KG	13 U	13 U	13 U	12 U	14 U	
Naphthalene	12000	500000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	

Table 2. Summary of Volatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
N-Butylbenzene	12000	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
N-Propylbenzene	3900	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
O-Xylene (1,2-Dimethylbenzene)	--	--	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Sec-Butylbenzene	11000	500000	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Styrene	--	--	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
T-Butylbenzene	5900	500000	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Tert-Butyl Methyl Ether	930	500000	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Tetrachloroethylene (PCE)	1300	150000	UG/KG	1.3 U	1.3 U	3.5	1.1 J	1.6	
Toluene	700	500000	UG/KG	4.9	2.9	3.8	5.8	1 J	
Total, 1,3-Dichloropropene (Cis And Trans)	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Trans-1,2-Dichloroethene	190	500000	UG/KG	2 U	2 U	1.9 U	1.8 U	2 U	
Trans-1,3-Dichloropropene	--	--	UG/KG	1.3 U	1.3 U	1.3 U	1.2 U	1.4 U	
Trans-1,4-Dichloro-2-Butene	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Trichloroethylene (TCE)	470	200000	UG/KG	1.3 U	1.3 U	0.23 J	1.2 U	9.8	
Trichlorofluoromethane	--	--	UG/KG	6.5 U	6.6 U	6.4 U	6.2 U	6.8 U	
Vinyl Acetate	--	--	UG/KG	13 U	13 U	13 U	12 U	14 U	
Vinyl Chloride	20	13000	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	
Xylenes	260	500000	UG/KG	2.6 U	2.6 U	2.6 U	2.5 U	2.7 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
1,2-Dichlorobenzene	1100	500000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
1,3-Dichlorobenzene	2400	280000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
1,4-Dichlorobenzene	1800	130000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	210 U	210 U	110 U	110 U	220 U	
2,4-Dichlorophenol	--	--	UG/KG	160 U	310 U	320 U	170 U	170 U	330 U	
2,4-Dimethylphenol	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2,4-Dinitrophenol	--	--	UG/KG	880 U	1700 U	1700 U	900 U	890 U	1800 U	
2,4-Dinitrotoluene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2,6-Dinitrotoluene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2-Chloronaphthalene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2-Chlorophenol	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2-Methylnaphthalene	--	--	UG/KG	220 U	420 U	180 J	230 U	220 U	440 U	
2-Methylphenol (O-Cresol)	330	500000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2-Nitroaniline	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
2-Nitrophenol	--	--	UG/KG	400 U	750 U	760 U	410 U	400 U	790 U	
3- And 4- Methylphenol (Total)	330	500000	UG/KG	260 U	500 U	510 U	270 U	270 U	520 U	
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
3-Nitroaniline	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	480 U	900 U	920 U	490 U	480 U	950 U	
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4-Chloroaniline	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4-Nitroaniline	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
4-Nitrophenol	--	--	UG/KG	260 U	490 U	490 U	260 U	260 U	510 U	
Acenaphthene	20000	500000	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Acenaphthylene	100000	500000	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Acetophenone	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Anthracene	100000	500000	UG/KG	110 U	210 U	210 U	110 U	110 U	220 U	
Benzo(A)Anthracene	1000	5600	UG/KG	110 U	210 U	50 J	110 U	110 U	220 U	
Benzo(A)Pyrene	1000	1000	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Benzo(B)Fluoranthene	1000	5600	UG/KG	110 U	210 U	86 J	110 U	110 U	220 U	
Benzo(G,H,I)Perylene	100000	500000	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Benzo(K)Fluoranthene	800	56000	UG/KG	110 U	210 U	210 U	110 U	110 U	220 U	
Benzoic Acid	--	--	UG/KG	590 U	1100 U	1100 U	610 U	600 U	1200 U	
Benzyl Alcohol	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Benzyl Butyl Phthalate	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Biphenyl (Diphenyl)	--	--	UG/KG	420 U	790 U	800 U	430 U	420 U	830 U	
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	380 U	380 U	200 U	200 U	390 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	160 U	310 U	320 U	170 U	170 U	330 U	
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	420 U	420 U	230 U	220 U	440 U	
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	180 U	300 J	350 U	190 U	180 U	360 U	
Carbazole	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Chrysene	1000	56000	UG/KG	110 U	210 U	130 J	110 U	110 U	220 U	
Dibenz(A,H)Anthracene	330	560	UG/KG	110 U	210 U	210 U	110 U	110 U	220 U	
Dibenzofuran	7000	350000	UG/KG	180 U	350 U	52 J	190 U	180 U	360 U	
Diethyl Phthalate	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Dimethyl Phthalate	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Di-N-Octylphthalate	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Fluoranthene	100000	500000	UG/KG	110 U	210 U	75 J	110 U	110 U	220 U	
Fluorene	30000	500000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Hexachlorobenzene	330	6000	UG/KG	110 U	210 U	210 U	110 U	110 U	220 U	
Hexachlorobutadiene	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Hexachlorocyclopentadiene	--	--	UG/KG	520 U	1000 U	1000 U	540 U	530 U	1000 U	

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Hexachloroethane	--	--	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Indeno(1,2,3-C,D)Pyrene	500	5600	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Isophorone	--	--	UG/KG	160 U	310 U	320 U	170 U	170 U	330 U	
Naphthalene	12000	500000	UG/KG	180 U	350 U	140 J	190 U	180 U	360 U	
Nitrobenzene	--	--	UG/KG	160 U	310 U	320 U	170 U	170 U	330 U	
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Pentachlorophenol	800	6700	UG/KG	150 U	280 U	280 U	150 U	150 U	290 U	
Phenanthrene	100000	500000	UG/KG	110 U	210 U	210	110 U	110 U	220 U	
Phenol	330	500000	UG/KG	180 U	350 U	350 U	190 U	180 U	360 U	
Pyrene	100000	500000	UG/KG	110 U	210 U	77 J	110 U	110 U	220 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
1,2-Dichlorobenzene	1100	500000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
1,3-Dichlorobenzene	2400	280000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
1,4-Dichlorobenzene	1800	130000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	110 U	110 U	100 U	120 U	100 U	
2,4-Dichlorophenol	--	--	UG/KG	160 U	170 U	170 U	160 U	190 U	150 U	
2,4-Dimethylphenol	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2,4-Dinitrophenol	--	--	UG/KG	850 U	890 U	890 U	830 U	1000 U	820 U	
2,4-Dinitrotoluene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2,6-Dinitrotoluene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2-Chloronaphthalene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2-Chlorophenol	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2-Methylnaphthalene	--	--	UG/KG	210 U	220 U	220 U	210 U	250 U	200 U	
2-Methylphenol (O-Cresol)	330	500000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2-Nitroaniline	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
2-Nitrophenol	--	--	UG/KG	380 U	400 U	400 U	370 U	450 U	370 U	
3- And 4- Methylphenol (Total)	330	500000	UG/KG	250 U	270 U	270 U	250 U	300 U	250 U	
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
3-Nitroaniline	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	460 U	480 U	480 U	450 U	540 U	440 U	
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4-Chloroaniline	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4-Nitroaniline	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
4-Nitrophenol	--	--	UG/KG	250 U	260 U	260 U	240 U	290 U	240 U	
Acenaphthene	20000	500000	UG/KG	140 U	150 U	150 U	140 U	170 U	140 U	

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Acenaphthylene	100000	500000	UG/KG	140 U	150 U	150 U	140 U	170 U	140 U	
Acetophenone	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Anthracene	100000	500000	UG/KG	110 U	110 U	42 J	100 U	120 U	100 U	
Benzo(A)Anthracene	1000	5600	UG/KG	110 U	110 U	100 J	100 U	63 J	100 U	
Benzo(A)Pyrene	1000	1000	UG/KG	140 U	150 U	94 J	140 U	63 J	140 U	
Benzo(B)Fluoranthene	1000	5600	UG/KG	110 U	110 U	120	100 U	74 J	100 U	
Benzo(G,H,I)Perylene	100000	500000	UG/KG	140 U	150 U	53 J	140 U	49 J	140 U	
Benzo(K)Fluoranthene	800	56000	UG/KG	110 U	110 U	47 J	100 U	37 J	100 U	
Benzoic Acid	--	--	UG/KG	570 U	600 U	600 U	560 U	680 U	550 U	
Benzyl Alcohol	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Benzyl Butyl Phthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Biphenyl (Diphenyl)	--	--	UG/KG	400 U	420 U	420 U	400 U	480 U	390 U	
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	190 U	200 U	200 U	190 U	230 U	180 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	160 U	170 U	170 U	160 U	190 U	150 U	
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	210 U	220 U	220 U	210 U	250 U	200 U	
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Carbazole	--	--	UG/KG	180 U	180 U	18 J	170 U	210 U	170 U	
Chrysene	1000	56000	UG/KG	110 U	110 U	100 J	100 U	68 J	100 U	
Dibenz(A,H)Anthracene	330	560	UG/KG	110 U	110 U	110 U	100 U	120 U	100 U	
Dibenzofuran	7000	350000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Diethyl Phthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Dimethyl Phthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Di-N-Octylphthalate	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Fluoranthene	100000	500000	UG/KG	110 U	110 U	200	100 U	120	100 U	
Fluorene	30000	500000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Hexachlorobenzene	330	6000	UG/KG	110 U	110 U	110 U	100 U	120 U	100 U	
Hexachlorobutadiene	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Hexachlorocyclopentadiene	--	--	UG/KG	510 U	530 U	530 U	500 U	600 U	490 U	

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-3	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5
				Sample Date:	6/7/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	22 - 24	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
Hexachloroethane	--	--	UG/KG	140 U	150 U	150 U	140 U	170 U	140 U	
Indeno(1,2,3-C,D)Pyrene	500	5600	UG/KG	140 U	150 U	60 J	140 U	49 J	140 U	
Isophorone	--	--	UG/KG	160 U	170 U	170 U	160 U	190 U	150 U	
Naphthalene	12000	500000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Nitrobenzene	--	--	UG/KG	160 U	170 U	170 U	160 U	190 U	150 U	
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
N-Nitrosodiphenylamine	--	--	UG/KG	140 U	150 U	150 U	140 U	170 U	140 U	
Pentachlorophenol	800	6700	UG/KG	140 U	150 U	150 U	140 U	170 U	140 U	
Phenanthrene	100000	500000	UG/KG	110 U	110 U	150	100 U	56 J	100 U	
Phenol	330	500000	UG/KG	180 U	180 U	180 U	170 U	210 U	170 U	
Pyrene	100000	500000	UG/KG	110 U	110 U	170	100 U	110 J	100 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
1,2,4,5-Tetrachlorobenzene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
1,2,4-Trichlorobenzene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
1,2-Dichlorobenzene	1100	500000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
1,3-Dichlorobenzene	2400	280000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
1,4-Dichlorobenzene	1800	130000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2,4,5-Trichlorophenol	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2,4,6-Trichlorophenol	--	--	UG/KG	110 U	100 U	100 U	110 U	110 U	110 U
2,4-Dichlorophenol	--	--	UG/KG	170 U	160 U	150 U	160 U	160 U	160 U
2,4-Dimethylphenol	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2,4-Dinitrophenol	--	--	UG/KG	890 U	840 U	820 U	860 U	850 U	850 U
2,4-Dinitrotoluene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2,6-Dinitrotoluene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2-Chloronaphthalene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2-Chlorophenol	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2-Methylnaphthalene	--	--	UG/KG	220 U	210 U	210 U	220 U	210 U	210 U
2-Methylphenol (O-Cresol)	330	500000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2-Nitroaniline	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
2-Nitrophenol	--	--	UG/KG	400 U	380 U	370 U	390 U	380 U	380 U
3- And 4- Methylphenol (Total)	330	500000	UG/KG	270 U	250 U	250 U	260 U	250 U	250 U
3,3'-Dichlorobenzidine	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
3-Nitroaniline	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4,6-Dinitro-2-Methylphenol	--	--	UG/KG	480 U	450 U	450 U	470 U	460 U	460 U
4-Bromophenyl Phenyl Ether	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4-Chloro-3-Methylphenol	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4-Chloroaniline	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4-Chlorophenyl Phenyl Ether	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4-Nitroaniline	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
4-Nitrophenol	--	--	UG/KG	260 U	240 U	240 U	250 U	250 U	250 U
Acenaphthene	20000	500000	UG/KG	150 U	140 U	140 U	140 U	140 U	140 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Acenaphthylene	100000	500000	UG/KG	150 U	140 U	140 U	140 U	140 U	140 U
Acetophenone	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Anthracene	100000	500000	UG/KG	110 U	100 U	100 U	110 U	110 U	110 U
Benzo(A)Anthracene	1000	5600	UG/KG	110	100 U	130	110 U	110 U	110 U
Benzo(A)Pyrene	1000	1000	UG/KG	120 J	140 U	130 J	140 U	140 U	140 U
Benzo(B)Fluoranthene	1000	5600	UG/KG	180	100 U	210	110 U	110 U	110 U
Benzo(G,H,I)Perylene	100000	500000	UG/KG	110 J	140 U	110 J	140 U	140 U	140 U
Benzo(K)Fluoranthene	800	56000	UG/KG	55 J	100 U	63 J	110 U	110 U	110 U
Benzoic Acid	--	--	UG/KG	600 U	570 U	560 U	580 U	570 U	570 U
Benzyl Alcohol	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Benzyl Butyl Phthalate	--	--	UG/KG	220	170 U	170 U	180 U	180 U	180 U
Biphenyl (Diphenyl)	--	--	UG/KG	420 U	400 U	390 U	410 U	400 U	400 U
Bis(2-Chloroethoxy) Methane	--	--	UG/KG	200 U	190 U	180 U	190 U	190 U	190 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	--	--	UG/KG	170 U	160 U	150 U	160 U	160 U	160 U
Bis(2-Chloroisopropyl) Ether	--	--	UG/KG	220 U	210 U	210 U	220 U	210 U	210 U
Bis(2-Ethylhexyl) Phthalate	--	--	UG/KG	180 U	170 U	110 J	180 U	180 U	180 U
Carbazole	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Chrysene	1000	56000	UG/KG	120	100 U	150	110 U	110 U	110 U
Dibenz(A,H)Anthracene	330	560	UG/KG	22 J	100 U	100 U	110 U	110 U	110 U
Dibenzofuran	7000	350000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Diethyl Phthalate	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Dimethyl Phthalate	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Di-N-Butyl Phthalate	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Di-N-Octylphthalate	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Fluoranthene	100000	500000	UG/KG	180	100 U	230	26 J	110 U	110 U
Fluorene	30000	500000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Hexachlorobenzene	330	6000	UG/KG	110 U	100 U	100 U	110 U	110 U	110 U
Hexachlorobutadiene	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Hexachlorocyclopentadiene	--	--	UG/KG	530 U	500 U	490 U	510 U	500 U	500 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units						
Hexachloroethane	--	--	UG/KG	150 U	140 U	140 U	140 U	140 U	140 U
Indeno(1,2,3-C,D)Pyrene	500	5600	UG/KG	97 J	140 U	110 J	140 U	140 U	140 U
Isophorone	--	--	UG/KG	170 U	160 U	150 U	160 U	160 U	160 U
Naphthalene	12000	500000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Nitrobenzene	--	--	UG/KG	170 U	160 U	150 U	160 U	160 U	160 U
N-Nitrosodi-N-Propylamine	--	--	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
N-Nitrosodiphenylamine	--	--	UG/KG	150 U	140 U	140 U	140 U	140 U	140 U
Pentachlorophenol	800	6700	UG/KG	150 U	140 U	140 U	140 U	140 U	140 U
Phenanthrene	100000	500000	UG/KG	62 J	100 U	99 J	110 U	110 U	110 U
Phenol	330	500000	UG/KG	180 U	170 U	170 U	180 U	180 U	180 U
Pyrene	100000	500000	UG/KG	170	100 U	200	110 U	110 U	110 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 4. Summary of Metals in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
Aluminum	--	--	MG/KG	4500	5900	8000	14000	9100	10000	4600	
Antimony	--	--	MG/KG	4.3 U	1.5 J	5.1	1.6 J	0.8 J	1.1 J	4.1 U	
Arsenic	13	16	MG/KG	3.9	3.9	22	4.3	2.1	4.1	1.3	
Barium	350	400	MG/KG	31	130	120	99	59	58	73	
Beryllium	7.2	590	MG/KG	0.2 J	0.37 J	2.4	0.44 J	0.41 J	0.29 J	0.16 J	
Cadmium	2.5	9.3	MG/KG	0.86 U	0.2 J	0.17 J	0.91 U	0.89 U	0.08 J	0.82 U	
Calcium	--	--	MG/KG	630	4400	7400	2600	1200	14000	380	
Chromium, Total	30	1500	MG/KG	17	26	40	32	22	18	11	
Cobalt	--	--	MG/KG	3.4	6.2	26	13	7.1	7.9	4.1	
Copper	50	270	MG/KG	7.2	20	640	24	13	65	8.7	
Iron	--	--	MG/KG	8600	75000	27000	34000	15000	22000	9800	
Lead	63	1000	MG/KG	3.1 J	4.1 U	490	4.5 U	0.27 J	30	4.1 U	
Magnesium	--	--	MG/KG	1200	3300	3000	4600	2900	6200	1300	
Manganese	1600	10000	MG/KG	140	1700	250	590	210	380	580	
Mercury	0.18	2.8	MG/KG	0.07 U	0.02 J	0.08	0.02 J	0.07 U	0.08	0.07 U	
Nickel	30	310	MG/KG	7.6	16	95	21	15	13	8.4	
Potassium	--	--	MG/KG	860	1600	760	3800	1600	920	560	
Selenium	3.9	1500	MG/KG	1.7 U	1.6 U	1 J	1.8 U	1.8 U	1.7 U	1.6 U	
Silver	2	1500	MG/KG	0.86 U	0.53 J	0.86 U	0.91 U	0.89 U	0.87 U	0.82 U	
Sodium	--	--	MG/KG	49 J	140 J	580	190	110 J	310	70 J	
Thallium	--	--	MG/KG	1.7 U	1.6 U	1.7 U	1.8 U	1.8 U	1.7 U	1.6 U	
Vanadium	--	--	MG/KG	17	27	30	40	26	30	15	
Zinc	109	10000	MG/KG	15	40	3100	53	33	53	16	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 4. Summary of Metals in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5	RXSB-6	RXSB-6
				Sample Date:	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/7/2016	6/8/2016
				Sample Depth (ft bls):	0 - 2	0 - 2	22 - 24	0 - 2	22 - 24	0 - 2	8 - 10
				Normal or Field Duplicate:	N	FD	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
Aluminum	--	--	MG/KG	6100	5700	4200	6400	3100	9100	7600	
Antimony	--	--	MG/KG	4.3 U	4.3 U	4.1 U	4.9 U	4 U	1.4 J	4.2 U	
Arsenic	13	16	MG/KG	5.9	5	3	7.6	2.3	7.6	1.1	
Barium	350	400	MG/KG	260	59	47	78	26	170	51	
Beryllium	7.2	590	MG/KG	0.23 J	0.22 J	0.14 J	0.23 J	0.12 J	0.42 J	0.17 J	
Cadmium	2.5	9.3	MG/KG	0.87 U	0.87 U	0.82 U	0.98 U	0.79 U	0.28 J	0.84 U	
Calcium	--	--	MG/KG	2500	1400	550	3100	230	13000	700	
Chromium, Total	30	1500	MG/KG	13	13	16	17	7.6	17	23	
Cobalt	--	--	MG/KG	3.6	3.8	4.1	5.8	2.5	6.1	5.6	
Copper	50	270	MG/KG	11	12	7.3	31	5.1	45	11	
Iron	--	--	MG/KG	10000	9900	8000	14000	6300	16000	18000	
Lead	63	1000	MG/KG	220	72	4.1 U	170	4 U	490	5.3	
Magnesium	--	--	MG/KG	1500	1400	1900	1800	1000	2600	2600	
Manganese	1600	10000	MG/KG	220	200	200	270	170	480	260	
Mercury	0.18	2.8	MG/KG	0.07 J	0.05 J	0.07 U	0.12	0.07 U	0.28	0.02 J	
Nickel	30	310	MG/KG	8	8.5	21	14	8.9	14	10	
Potassium	--	--	MG/KG	540	680	1500	890	700	840	2200	
Selenium	3.9	1500	MG/KG	1.7 U	1.7 U	1.6 U	2 U	1.6 U	1.8 U	1.7 U	
Silver	2	1500	MG/KG	0.87 U	0.87 U	0.82 U	0.98 U	0.79 U	0.18 J	0.84 U	
Sodium	--	--	MG/KG	140 J	93 J	31 J	57 J	43 J	130 J	60 J	
Thallium	--	--	MG/KG	1.7 U	1.7 U	1.6 U	2 U	1.6 U	1.8 U	1.7 U	
Vanadium	--	--	MG/KG	17	17	12	25	8.8	23	27	
Zinc	109	10000	MG/KG	46	34	13	85	10	150	28	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 4. Summary of Metals in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation:				RXSB-7	RXSB-7	RXSB-8
Sample Date:				6/7/2016	6/8/2016	6/7/2016
Sample Depth (ft bls):				0 - 2	5 - 7	0 - 2
Normal or Field Duplicate:				N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units			
Aluminum	--	--	MG/KG	12000	7000	7600
Antimony	--	--	MG/KG	1.4 J	4.2 U	1.5 J
Arsenic	13	16	MG/KG	6.9	2.6	15
Barium	350	400	MG/KG	98	62	280
Beryllium	7.2	590	MG/KG	0.42	0.26 J	0.38 J
Cadmium	2.5	9.3	MG/KG	0.18 J	0.84 U	0.37 J
Calcium	--	--	MG/KG	7200	1100	13000
Chromium, Total	30	1500	MG/KG	23	13	19
Cobalt	--	--	MG/KG	7.1	5.7	6.5
Copper	50	270	MG/KG	21	12	56
Iron	--	--	MG/KG	21000	12000	20000
Lead	63	1000	MG/KG	140	53	1300
Magnesium	--	--	MG/KG	2400	1500	4300
Manganese	1600	10000	MG/KG	390	460	320
Mercury	0.18	2.8	MG/KG	0.1	0.1	0.27
Nickel	30	310	MG/KG	15	10	15
Potassium	--	--	MG/KG	920	450	990
Selenium	3.9	1500	MG/KG	1.6 U	1.7 U	0.23 J
Silver	2	1500	MG/KG	0.82 U	0.84 U	0.85 U
Sodium	--	--	MG/KG	210	53 J	420
Thallium	--	--	MG/KG	1.6 U	1.7 U	1.7 U
Vanadium	--	--	MG/KG	30	16	21
Zinc	109	10000	MG/KG	88	33	230

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3	RXSB-3
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2	22 - 24
				Normal or Field Duplicate:	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
PCB-1016 (Aroclor 1016)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1221 (Aroclor 1221)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1232 (Aroclor 1232)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1242 (Aroclor 1242)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1248 (Aroclor 1248)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1254 (Aroclor 1254)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1260 (Aroclor 1260)	--	--	UG/KG	35.4 U	6.8 J	8.86 J	37.7 U	35.9 U	6.24 J	35.5 U	
PCB-1262 (Aroclor 1262)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
PCB-1268 (Aroclor 1268)	--	--	UG/KG	35.4 U	33.6 U	35.5 U	37.7 U	35.9 U	35.5 U	35.5 U	
Polychlorinated Biphenyl (PCBs)	100	1000	UG/KG	35.4 U	6.8 J	8.86 J	37.7 U	35.9 U	6.24 J	35.5 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation:				RXSB-4	RXSB-4	RXSB-4	RXSB-5	RXSB-5	RXSB-6	RXSB-6
Sample Date:				6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/6/2016	6/7/2016	6/8/2016
Sample Depth (ft bls):				0 - 2	0 - 2	22 - 24	0 - 2	22 - 24	0 - 2	8 - 10
Normal or Field Duplicate:				N	FD	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units							
PCB-1016 (Aroclor 1016)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1221 (Aroclor 1221)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1232 (Aroclor 1232)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1242 (Aroclor 1242)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1248 (Aroclor 1248)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1254 (Aroclor 1254)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1260 (Aroclor 1260)	--	--	UG/KG	5.62 J	7.39 J	33.2 U	52.4	32.9 U	4.41 J	34 U
PCB-1262 (Aroclor 1262)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
PCB-1268 (Aroclor 1268)	--	--	UG/KG	37 U	37.2 U	33.2 U	41.5 U	32.9 U	36.1 U	34 U
Polychlorinated Biphenyl (PCBs)	100	1000	UG/KG	5.62 J	7.39 J	33.2 U	52.4	32.9 U	4.41 J	34 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 5. Summary of Polychlorinated Biphenyls in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-7	RXSB-7	RXSB-8
				Sample Date:	6/7/2016	6/8/2016	6/7/2016
				Sample Depth (ft bls):	0 - 2	5 - 7	0 - 2
				Normal or Field Duplicate:	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units				
PCB-1016 (Aroclor 1016)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1221 (Aroclor 1221)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1232 (Aroclor 1232)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1242 (Aroclor 1242)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1248 (Aroclor 1248)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1254 (Aroclor 1254)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1260 (Aroclor 1260)	--	--	UG/KG	10.5 J	35.6 U	20 J	
PCB-1262 (Aroclor 1262)	--	--	UG/KG	33.6 U	35.6 U	35.5 U	
PCB-1268 (Aroclor 1268)	--	--	UG/KG	33.6 U	35.6 U	27.6 J	
Polychlorinated Biphenyl (PCBs)	100	1000	UG/KG	10.5 J	35.6 U	47.6 J	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCO

Table 6. Summary of Pesticides in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	RXSB-1	RXSB-1	RXSB-2	RXSB-2	RXSB-2	RXSB-3	RXSB-3	RXSB-4	RXSB-4
				Sample Date:	6/6/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/7/2016	6/6/2016	6/6/2016
				Sample Depth (ft bls):	0 - 2	22 - 24	0 - 2	5 - 7	22 - 24	0 - 2	22 - 24	0 - 2	0 - 2
				Normal or Field Duplicate:	N	N	N	N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units										
Aldrin	5	680	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	3400	UG/KG	0.702 U	0.686 U	0.693 U	0.76 U	0.747 U	0.714 U	0.67 U	0.715 U	0.724 U	
Alpha Endosulfan	2400	200000	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Beta Bhc (Beta Hexachlorocyclohexane)	36	3000	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Beta Endosulfan	2400	200000	UG/KG	1.68 U	1.64 U	1.19 J	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Chlordane	--	--	UG/KG	13.7 U	13.4 U	14.9 PI	14.8 U	14.6 U	7.97 J	13.1 U	13.9 U	14.1 U	
cis-Chlordane	94	24000	UG/KG	2.11 U	2.06 U	2.08 U	2.28 U	2.24 U	1.09 J	2.01 U	2.14 U	2.17 U	
Delta BHC (Delta Hexachlorocyclohexane)	40	500000	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Dieldrin	5	1400	UG/KG	1.05 U	1.03 U	1.04 U	1.14 U	1.12 U	1.13 P	1 U	1.07 U	1.09 U	
Endosulfan Sulfate	2400	200000	UG/KG	0.702 U	0.686 U	0.693 U	0.76 U	0.747 U	0.714 U	0.67 U	0.715 U	0.724 U	
Endrin	14	89000	UG/KG	0.702 U	0.686 U	0.693 U	0.76 U	0.747 U	0.714 U	0.67 U	0.715 U	0.724 U	
Endrin Aldehyde	--	--	UG/KG	2.11 U	2.06 U	2.08 U	2.28 U	2.24 U	2.14 U	2.01 U	2.14 U	2.17 U	
Endrin Ketone	--	--	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
Gamma Bhc (Lindane)	100	9200	UG/KG	0.702 U	0.686 U	0.693 U	0.76 U	0.747 U	0.714 U	0.67 U	0.715 U	0.724 U	
Heptachlor	42	15000	UG/KG	0.842 U	0.823 U	0.831 U	0.911 U	0.897 U	0.857 U	0.804 U	0.858 U	0.869 U	
Heptachlor Epoxide	--	--	UG/KG	3.16 U	3.08 U	3.12 U	3.42 U	3.36 U	3.21 U	3.02 U	3.22 U	3.26 U	
Methoxychlor	--	--	UG/KG	3.16 U	3.08 U	3.12 U	3.42 U	3.36 U	3.21 U	3.02 U	3.22 U	3.26 U	
P,P'-DDD	3.3	92000	UG/KG	1.68 U	1.64 U	1.66 U	1.82 U	1.79 U	1.71 U	1.61 U	1.72 U	1.74 U	
P,P'-DDE	3.3	62000	UG/KG	1.68 U	1.64 U	4.75	1.82 U	1.79 U	0.818 J	1.61 U	1.72 U	1.74 U	
P,P'-DDT	3.3	47000	UG/KG	3.16 U	1.38 J	3.7	3.42 U	3.36 U	1.74 J	3.02 U	3.22 U	3.26 U	
Toxaphene	--	--	UG/KG	31.6 U	30.8 U	31.2 U	34.2 U	33.6 U	32.1 U	30.2 U	32.2 U	32.6 U	
trans-Chlordane	--	--	UG/KG	2.11 U	2.06 U	2.08 U	2.28 U	2.24 U	1.25 J	2.01 U	2.14 U	2.17 U	

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

P - The RPD between the results for the two columns exceeds the method-specified criteria

I - The lower value for the two columns has been reported due to obvious interference

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCC

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCC

Table 6. Summary of Pesticides in Soil, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation:				RXSB-4	RXSB-5	RXSB-5	RXSB-6	RXSB-6	RXSB-7	RXSB-7	RXSB-8
Sample Date:				6/6/2016	6/6/2016	6/6/2016	6/7/2016	6/8/2016	6/7/2016	6/8/2016	6/7/2016
Sample Depth (ft bls):				22 - 24	0 - 2	22 - 24	0 - 2	8 - 10	0 - 2	5 - 7	0 - 2
Normal or Field Duplicate:				N	N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Commercial SCO	Units								
Aldrin	5	680	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	20	3400	UG/KG	0.655 U	0.808 U	0.669 U	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Alpha Endosulfan	2400	200000	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Beta Bhc (Beta Hexachlorocyclohexane)	36	3000	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Beta Endosulfan	2400	200000	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Chlordane	--	--	UG/KG	12.8 U	9.11 J	13 U	14.1 U	13.3 U	12.9 U	13.3 U	14 U
cis-Chlordane	94	24000	UG/KG	1.96 U	2.42 U	2.01 U	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U
Delta BHC (Delta Hexachlorocyclohexane)	40	500000	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Dieldrin	5	1400	UG/KG	0.982 U	0.609 JPI	1 U	1.08 U	1.02 U	0.905 J	1.02 U	0.679 JPI
Endosulfan Sulfate	2400	200000	UG/KG	0.655 U	0.808 U	0.669 U	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Endrin	14	89000	UG/KG	0.655 U	0.959 P	0.669 U	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Endrin Aldehyde	--	--	UG/KG	1.96 U	2.42 U	2.01 U	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U
Endrin Ketone	--	--	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
Gamma Bhc (Lindane)	100	9200	UG/KG	0.655 U	0.808 U	0.669 U	0.721 U	0.681 U	0.663 U	0.681 U	0.716 U
Heptachlor	42	15000	UG/KG	0.786 U	0.97 U	0.803 U	0.865 U	0.818 U	0.795 U	0.818 U	0.86 U
Heptachlor Epoxide	--	--	UG/KG	2.95 U	3.64 U	3.01 U	3.24 U	3.07 U	2.98 U	3.07 U	3.22 U
Methoxychlor	--	--	UG/KG	2.95 U	3.64 U	3.01 U	3.24 U	3.07 U	2.98 U	3.07 U	3.22 U
P,P'-DDD	3.3	92000	UG/KG	1.57 U	1.94 U	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
P,P'-DDE	3.3	62000	UG/KG	1.57 U	1.75 J	1.6 U	1.73 U	1.64 U	1.59 U	1.64 U	1.72 U
P,P'-DDT	3.3	47000	UG/KG	2.95 U	6.64 P	3.01 U	1.46 J	3.07 U	4.21	3.07 U	4.24
Toxaphene	--	--	UG/KG	29.5 U	36.4 U	30.1 U	32.4 U	30.7 U	29.8 U	30.7 U	32.2 U
trans-Chlordane	--	--	UG/KG	1.96 U	1.99 J	2.01 U	2.16 U	2.04 U	1.99 U	2.04 U	2.15 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

P - The RPD between the results for the two columns exceeds the method-specified criteria

I - The lower value for the two columns has been reported due to obvious interference

FD - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

SCO - Soil Cleanup Objectives

-- No SCO available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCC

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial SCC

Table 7. Summary of Volatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
1,1,1,2-Tetrachloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	--	UG/L	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	--	UG/L	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	--	--	UG/L	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	--	UG/L	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U
1,4-Dioxane (P-Dioxane)	--	--	UG/L	250 U	250 U	250 U	250 U	250 U
2,2-Dichloropropane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	--	50	UG/L	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	--	--	UG/L	2 U	2 U	2 U	2 U	2 U
Acetone	--	50	UG/L	1.8 J	17	5 U	5 U	5 U
Acrylonitrile	5	--	UG/L	5 U	5 U	5 U	5 U	5 U

Table 7. Summary of Volatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
Benzene	1	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	--	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	--	50	UG/L	2 U	2 U	2 U	2 U	2 U
Bromomethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	--	60	UG/L	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	5	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	--	UG/L	1.3 J	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	--	5	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	--	50	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	5	--	UG/L	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Hexachlorobutadiene	0.5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m,p-Xylene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	--	50	UG/L	5 U	2.5 J	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	--	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Naphthalene	--	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 7. Summary of Volatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
O-Xylene (1,2-Dimethylbenzene)	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	--	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.9
Tetrachloroethylene (PCE)	5	--	UG/L	0.5 U	0.5 U	0.19 J	0.24 J	
Toluene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	--	--	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	--	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	--	UG/L	0.3 J	14	0.45 J	0.82	
Trichlorofluoromethane	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	--	--	UG/L	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2	--	UG/L	1 U	1 U	1 U	1 U	1 U
Xylenes	5	--	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
1,2,4,5-Tetrachlorobenzene	--	--	UG/L	9.6 U	10 U	9.6 U	9.9 U	
1,2,4-Trichlorobenzene	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
1,2-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	1.9 U	2 U	
1,3-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	1.9 U	2 U	
1,4-Dichlorobenzene	3	--	UG/L	1.9 U	2 U	1.9 U	2 U	
2,4,5-Trichlorophenol	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2,4,6-Trichlorophenol	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2,4-Dichlorophenol	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2,4-Dimethylphenol	--	50	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2,4-Dinitrophenol	--	10	UG/L	19 U	20 U	19 U	20 U	
2,4-Dinitrotoluene	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2,6-Dinitrotoluene	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2-Chloronaphthalene	--	10	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
2-Chlorophenol	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
2-Methylnaphthalene	--	--	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
2-Methylphenol (O-Cresol)	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2-Nitroaniline	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
2-Nitrophenol	--	--	UG/L	9.6 U	10 U	9.6 U	9.9 U	
3- And 4- Methylphenol (Total)	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
3,3'-Dichlorobenzidine	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
3-Nitroaniline	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
4,6-Dinitro-2-Methylphenol	--	--	UG/L	9.6 U	10 U	9.6 U	9.9 U	
4-Bromophenyl Phenyl Ether	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
4-Chloro-3-Methylphenol	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
4-Chloroaniline	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
4-Chlorophenyl Phenyl Ether	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
4-Nitroaniline	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
4-Nitrophenol	--	--	UG/L	9.6 U	10 U	9.6 U	9.9 U	
Acenaphthene	--	20	UG/L	0.1 U	0.1 U	0.42	0.16	
Acenaphthylene	--	20	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
Acetophenone	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Anthracene	--	50	UG/L	0.19 U	0.2 U	0.85	0.39	
Benzo(A)Anthracene	--	0.002	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Benzo(A)Pyrene	0	--	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Benzo(B)Fluoranthene	--	0.002	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Benzo(G,H,I)Perylene	--	--	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Benzo(K)Fluoranthene	--	0.002	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Benzoic Acid	--	--	UG/L	48 U	50 U	48 U	49 U	
Benzyl Alcohol	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Benzyl Butyl Phthalate	--	50	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Biphenyl (Diphenyl)	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Bis(2-Chloroethoxy) Methane	5	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Bis(2-Chloroisopropyl) Ether	5	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Bis(2-Ethylhexyl) Phthalate	5	--	UG/L	0.87 J	3 U	2 J	3 U	
Carbazole	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Chrysene	--	0.002	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Dibenz(A,H)Anthracene	--	--	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	
Dibenzofuran	--	--	UG/L	1.9 U	2 U	1.9 U	2 U	
Diethyl Phthalate	--	50	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Dimethyl Phthalate	--	50	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Di-N-Butyl Phthalate	50	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Di-N-Octylphthalate	--	--	UG/L	4.8 U	5 U	4.8 U	4.9 U	
Fluoranthene	--	50	UG/L	0.19 U	0.2 U	0.05 J	0.2 U	
Fluorene	--	50	UG/L	0.19 U	0.2 U	2	0.89	
Hexachlorobenzene	0.04	--	UG/L	0.76 U	0.8 U	0.9 U	0.79 U	
Hexachlorobutadiene	0.5	--	UG/L	0.48 U	0.5 U	0.56 U	0.49 U	
Hexachlorocyclopentadiene	5	--	UG/L	19 U	20 U	19 U	20 U	
Hexachloroethane	5	--	UG/L	0.76 U	0.8 U	0.9 U	0.79 U	
Indeno(1,2,3-C,D)Pyrene	--	0.002	UG/L	0.19 U	0.2 U	0.22 U	0.2 U	

Table 8. Summary of Semivolatile Organic Compounds in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

				Sample Designation:	MW-1	MW-2	MW-4	MW-4
				Sample Date:	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				Normal or Field Duplicate:	N	N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
Isophorone	--	50	UG/L		4.8 U	5 U	4.8 U	4.9 U
Naphthalene	--	10	UG/L		0.19 U	0.2 U	0.22 U	0.2 U
Nitrobenzene	0.4	--	UG/L		1.9 U	2 U	1.9 U	2 U
N-Nitrosodi-N-Propylamine	--	--	UG/L		4.8 U	5 U	4.8 U	4.9 U
N-Nitrosodiphenylamine	--	50	UG/L		1.9 U	2 U	1.9 U	2 U
Pentachlorophenol	1	--	UG/L		0.76 U	0.8 U	0.9 U	0.79 U
Phenanthrene	--	50	UG/L		0.19 U	0.2 U	3.7	1.8
Phenol	1	--	UG/L		4.8 U	5 U	4.8 U	4.9 U
Pyrene	--	50	UG/L		0.19 U	0.2 U	0.13 J	0.07 J

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Metals in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation: Sample Date: Normal or Field Duplicate: Total or Dissolved				MW-1	MW-1	MW-2	MW-2	MW-4
				6/15/2016	6/15/2016	6/15/2016	6/15/2016	6/15/2016
				N	N	N	N	N
				Total	Dissolved	Total	Dissolved	Total
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units					
Aluminum	--	--	UG/L	68800	3 J	48300	3 J	86700
Antimony	3	--	UG/L	0.9 J	2 U	0.2 J	0.1 J	0.2 J
Arsenic	25	--	UG/L	18.9	0.5 J	42.5	1.5	15.1
Barium	1000	--	UG/L	1164	66.3	1010	99.3	3344
Beryllium	--	3	UG/L	8.2	0.5 U	7.7	0.5 U	5.7
Cadmium	5	--	UG/L	1.9	0.1 J	0.6	0.2 U	2.5
Calcium	--	--	UG/L	79400	49800	112000	72500	124000
Chromium, Total	50	--	UG/L	854.9	1 U	221	0.3 J	235.5
Cobalt	--	--	UG/L	97.2	2.3	127.2	6	92.9
Copper	200	--	UG/L	286.2	1 U	196.3	0.4 J	186
Iron	300	--	UG/L	235000	50 U	122000	55	198000
Lead	25	--	UG/L	617.6	1 U	156.2	1 U	123.2
Magnesium	--	--	UG/L	35800	9450	58000	31400	33800
Manganese	300	--	UG/L	12810	1108	10400	4630	15770
Mercury	0.7	--	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	--	UG/L	194.3	6	301.7	79.8	190.5
Potassium	--	--	UG/L	10000	2320	15100	6270	10700
Selenium	10	--	UG/L	49	5 U	29	5 U	47
Silver	50	--	UG/L	0.6	0.4 U	0.2 J	0.4 U	0.2 J
Sodium	--	--	UG/L	38900	46400	41700	37800	141000
Thallium	--	0.5	UG/L	0.8	0.5 U	0.6	0.5 U	0.7
Vanadium	--	--	UG/L	203.1	5 U	277.7	1.4 J	177.5
Zinc	--	2000	UG/L	713.2	10 U	358.2	2.6 J	298.2

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Metals in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation:				MW-4	MW-4	MW-4
Sample Date:				6/15/2016	6/15/2016	6/15/2016
Normal or Field Duplicate:				N	FD	FD
Total or Dissolved				Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units			
Aluminum	--	--	UG/L	9 J	65300	3 J
Antimony	3	--	UG/L	0.1 J	0.2 J	2 U
Arsenic	25	--	UG/L	0.7	10.9	0.5 J
Barium	1000	--	UG/L	225.7	2674	313.6
Beryllium	--	3	UG/L	0.5 U	4.2	0.5 U
Cadmium	5	--	UG/L	0.2 J	1.2	0.1 J
Calcium	--	--	UG/L	110000	84300	103000
Chromium, Total	50	--	UG/L	0.4 J	196.8	0.3 J
Cobalt	--	--	UG/L	4.7	92	6.1
Copper	200	--	UG/L	1.6	129	1.4
Iron	300	--	UG/L	66	126000	76
Lead	25	--	UG/L	1 U	87.9	1 U
Magnesium	--	--	UG/L	17300	31400	17600
Manganese	300	--	UG/L	3970	13540	4540
Mercury	0.7	--	UG/L	0.2 U	0.2 U	0.2 U
Nickel	100	--	UG/L	12.9	174.3	13
Potassium	--	--	UG/L	5090	10400	4820
Selenium	10	--	UG/L	2 J	33	5 U
Silver	50	--	UG/L	0.4 U	0.1 J	0.4 U
Sodium	--	--	UG/L	150000	152000	139000
Thallium	--	0.5	UG/L	0.5 U	0.7	0.5 U
Vanadium	--	--	UG/L	5 U	157.8	5 U
Zinc	--	2000	UG/L	10 U	226.7	10 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Polychlorinated Biphenyls in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation: Sample Date: Normal or Field Duplicate:				MW-1	MW-4	MW-4
				6/15/2016	6/15/2016	6/15/2016
				N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units			
PCB-1016 (Aroclor 1016)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1262 (Aroclor 1262)	--	--	UG/L	0.083 U	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	--	--	UG/L	0.083 U	0.083 U	0.083 U
Polychlorinated Biphenyl (PCBs)	0.09	--	UG/L	0.083 U	0.083 U	0.083 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Pesticides in Groundwater, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation:				MW-1	MW-4	MW-4
Sample Date:				6/15/2016	6/15/2016	6/15/2016
Normal or Field Duplicate:				N	N	FD
Parameter	NYSDEC Ambient Water-Quality Standards	NYSDEC Ambient Water-Quality Guidance Values	Units			
Aldrin	0	--	UG/L	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	--	UG/L	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	--	UG/L	0.04 U	0.04 U	0.04 U
Chlordane	0.05	--	UG/L	0.2 U	0.2 U	0.2 U
cis-Chlordane	--	--	UG/L	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	--	--	UG/L	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	--	UG/L	0.04 U	0.04 U	0.04 U
Endosulfan Sulfate	--	--	UG/L	0.04 U	0.04 U	0.04 U
Endrin	0	--	UG/L	0.04 U	0.04 U	0.04 U
Endrin Aldehyde	5	--	UG/L	0.04 U	0.04 U	0.04 U
Endrin Ketone	--	--	UG/L	0.04 U	0.04 U	0.04 U
Gamma Bhc (Lindane)	--	--	UG/L	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	--	UG/L	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	--	UG/L	0.02 U	0.02 U	0.02 U
Methoxychlor	35	--	UG/L	0.2 U	0.2 U	0.2 U
P,P'-DDD	0.3	--	UG/L	0.04 U	0.04 U	0.04 U
P,P'-DDE	0.2	--	UG/L	0.04 U	0.04 U	0.04 U
P,P'-DDT	0.2	--	UG/L	0.04 U	0.04 U	0.04 U
Toxaphene	0.06	--	UG/L	0.2 U	0.2 U	0.2 U
trans-Chlordane	0	0	UG/L	0.02 U	0.02 U	0.02 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 12. Summary of Volatile Organic Compounds in Soil Vapor, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation: Sample Date: Sample Depth (feet below land surface):		RXSV-1 6/15/16 23-24	RXSV-2 6/15/16 9-10	RXSV-3 6/15/16 6-7	RXSV-4 6/15/16 23-24	RXSV-5 6/15/16 10.5-11.5	SV-201 12/5/16 4.8-5.2	SV-202 12/5/16 5.5-6
Parameter	Units							
1,1,1-Trichloroethane	UG/M3	10.9 U	2.18 U	1.25	21.9 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	UG/M3	13.7 U	2.75 U	1.37 U	27.6 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	15.3 U	3.07 U	1.53 U	30.8 U	1.53 U	1.53 U	1.53 U
1,1,2-Trichloroethane	UG/M3	10.9 U	2.18 U	1.09 U	21.9 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	UG/M3	8.09 U	1.62 U	0.809 U	16.3 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	UG/M3	7.93 U	1.59 U	0.793 U	15.9 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	UG/M3	14.8 U	2.97 U	1.48 U	29.8 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	UG/M3	9.83 U	2.96	1.53	19.8 U	1.19	0.983 U	0.983 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	15.4 U	3.07 U	1.54 U	30.9 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	UG/M3	12 U	2.4 U	1.2 U	24.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	8.09 U	1.62 U	0.809 U	16.3 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	UG/M3	9.24 U	1.85 U	0.924 U	18.6 U	0.924 U	0.924 U	0.924 U
1,2-Dichlorotetrafluoroethane	UG/M3	14 U	2.8 U	1.4 U	28.1 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	9.83 U	1.97 U	0.983 U	19.8 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	UG/M3	4.42 U	0.885 U	0.442 U	8.89 U	0.442 U	0.442 U	0.442 U
1,3-Dichlorobenzene	UG/M3	12 U	2.4 U	1.2 U	24.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	UG/M3	12 U	3.75	4.15	24.2 U	2.54	3.66	3.01
1,4-Dioxane (P-Dioxane)	UG/M3	7.21 U	1.44 U	0.721 U	14.5 U	0.721 U	0.721 U	1.46
2,2,4-Trimethylpentane	UG/M3	9.34 U	1.87 U	0.934 U	18.8 U	0.934 U	4.81	3.08
2-Hexanone	UG/M3	105	41.8	8.28	335	5.12	0.82 U	0.82 U
4-Ethyltoluene	UG/M3	9.83 U	1.97 U	0.983 U	19.8 U	0.983 U	0.983 U	0.983 U
Acetone	UG/M3	6030	1510	77.4	16300	62.7	16.7	9.83
Allyl Chloride (3-Chloropropene)	UG/M3	6.26 U	1.25 U	0.626 U	12.6 U	0.626 U	0.626 U	0.626 U
Benzene	UG/M3	6.39 U	2.42	1.32	14.1	0.687	0.879	0.639 U
Benzyl Chloride	UG/M3	10.4 U	2.07 U	1.04 U	20.8 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	UG/M3	13.4 U	2.68 U	1.34 U	26.9 U	1.34 U	1.34 U	1.34 U
Bromoform	UG/M3	20.7 U	4.14 U	2.07 U	41.6 U	2.07 U	2.07 U	2.07 U
Bromomethane	UG/M3	7.77 U	1.55 U	0.777 U	15.6 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	UG/M3	11.9	4.36	6.94	36.7	3.01	2.44	0.623 U
Carbon Tetrachloride	UG/M3	12.6 U	2.52 U	1.26 U	25.3 U	4.83	1.26 U	1.26 U
Chlorobenzene	UG/M3	9.21 U	1.84 U	0.921 U	18.5 U	0.921 U	0.921 U	0.921 U
Chloroethane	UG/M3	5.28 U	1.06 U	0.528 U	10.6 U	0.528 U	0.528 U	0.528 U
Chloroform	UG/M3	9.77 U	1.95 U	1.81	19.6 U	3.97	5.37	0.977 U

Table 12. Summary of Volatile Organic Compounds in Soil Vapor, AAFE, 133-04 39th Avenue, Flushing, New York

Sample Designation: Sample Date: Sample Depth (feet below land surface):		RXSV-1 6/15/16 23-24	RXSV-2 6/15/16 9-10	RXSV-3 6/15/16 6-7	RXSV-4 6/15/16 23-24	RXSV-5 6/15/16 10.5-11.5	SV-201 12/5/16 4.8-5.2	SV-202 12/5/16 5.5-6
Parameter	Units							
Chloromethane	UG/M3	4.13 U	0.826 U	0.413 U	8.3 U	0.413 U	0.413 U	0.413 U
Cis-1,2-Dichloroethylene	UG/M3	7.93 U	1.59 U	0.793 U	15.9 U	0.793 U	0.793 U	0.793 U
Cis-1,3-Dichloropropene	UG/M3	9.08 U	1.82 U	0.908 U	18.3 U	0.908 U	0.908 U	0.908 U
Cyclohexane	UG/M3	6.88 U	1.38 U	0.902	13.8 U	0.688 U	1.47	0.826
Dibromochloromethane	UG/M3	17 U	3.41 U	1.7 U	34.2 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	9.89 U	2.36	2.37	19.9 U	2.04	2.1	1.97
Ethanol	UG/M3	165	18.8 U	10.5	464	9.42 U	9.42 U	11.4
Ethyl Acetate	UG/M3	18 U	3.6 U	1.8 U	36 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	UG/M3	8.69 U	6.73	2.46	17.5 U	1.54	5.78	3.21
Hexachlorobutadiene	UG/M3	21.3 U	4.27 U	2.13 U	42.9 U	2.13 U	2.13 U	2.13 U
Isopropanol	UG/M3	205	32.7	4.18	506	3.61	2.65	8.09
m,p-Xylene	UG/M3	25.3	22.5	8.17	34.9 U	5.08	14.9	14.4
Methyl Ethyl Ketone (2-Butanone)	UG/M3	490	119	11.5	1770	9.23	2.87	1.8
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	20.5 U	4.1 U	2.05 U	41 U	2.05 U	2.05 U	2.05 U
Methylene Chloride	UG/M3	17.4 U	3.47 U	1.74 U	34.7 U	1.74 U	1.74 U	1.74 U
N-Heptane	UG/M3	32.1	8.89	2.38	32.7	3.51	1.15	0.82 U
N-Hexane	UG/M3	33.1	5.29	1.35	22.2	1.15	2.75	0.888
O-Xylene (1,2-Dimethylbenzene)	UG/M3	10.3	8.95	3.54	17.5 U	2.28	14.1	16
Styrene	UG/M3	8.52 U	1.7 U	0.852 U	17.1 U	0.852 U	1.04	0.962
Tert-Butyl Alcohol	UG/M3	58.5	37.9	11.8	153	9.16	3.12	4.61
Tert-Butyl Methyl Ether	UG/M3	7.21 U	1.44 U	0.721 U	14.5 U	0.721 U	1.06	0.721 U
Tetrachloroethylene (PCE)	UG/M3	26.7	9.97	161	27.3 U	21.4	6.85	2.79
Tetrahydrofuran	UG/M3	14.7 U	2.95 U	1.47 U	29.5 U	1.47 U	1.55	1.47
Toluene	UG/M3	84.4	34.5	15.9	39.6	10	57.3	88.9
Trans-1,2-Dichloroethene	UG/M3	7.93 U	1.59 U	0.793 U	15.9 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	UG/M3	9.08 U	1.82 U	0.908 U	18.3 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	UG/M3	91.4	2.15 U	11.1	147	74.7	6.29	13.1
Trichlorofluoromethane	UG/M3	11.2 U	2.25 U	1.88	22.6 U	1.73	1.74	1.98
Vinyl Bromide	UG/M3	8.74 U	1.75 U	0.874 U	17.6 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	UG/M3	5.11 U	1.02 U	0.511 U	10.3 U	0.511 U	0.511 U	0.511 U

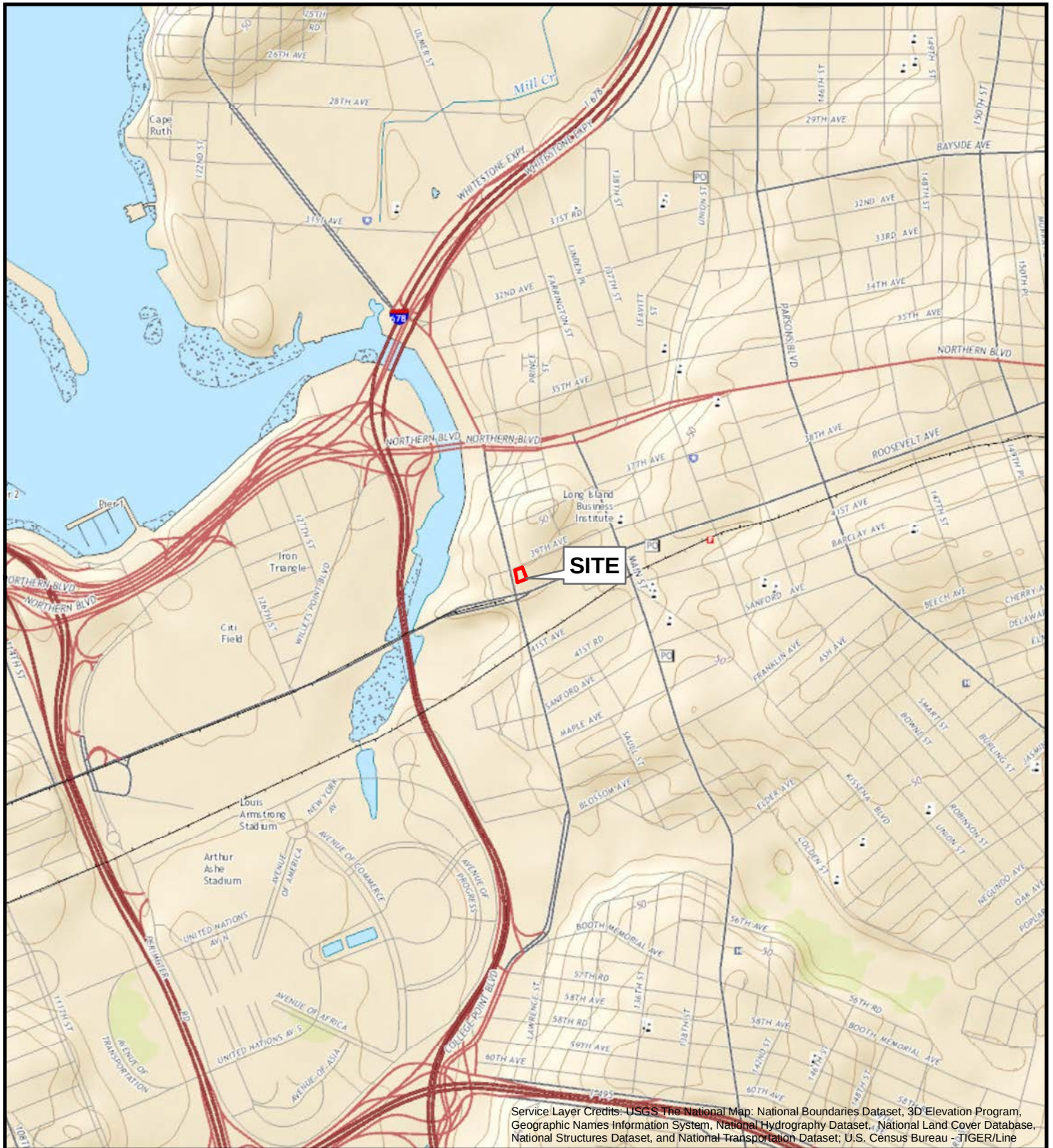
U - Indicates that the compound was analyzed for but not detected

ug/m³ - Micrograms per cubic meter

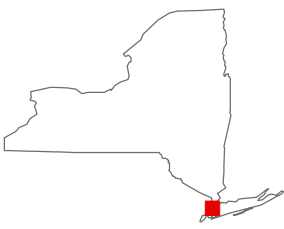
Bold data indicates that parameter was detected

FIGURES

1. Site Location
2. Sampling Locations
3. Surrounding Land Use
4. Summary of Soil Exceedances
5. Summary of Groundwater Exceedances
6. Summary of Soil Vapor Detections



QUADRANGLE LOCATION



750 0 750 1,500 Feet

Title:

SITE LOCATION

133-04 38TH AVENUE
FLUSHING, NEW YORK. 11354

Prepared For:

ASIAN AMERICANS FOR EQUALITY

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

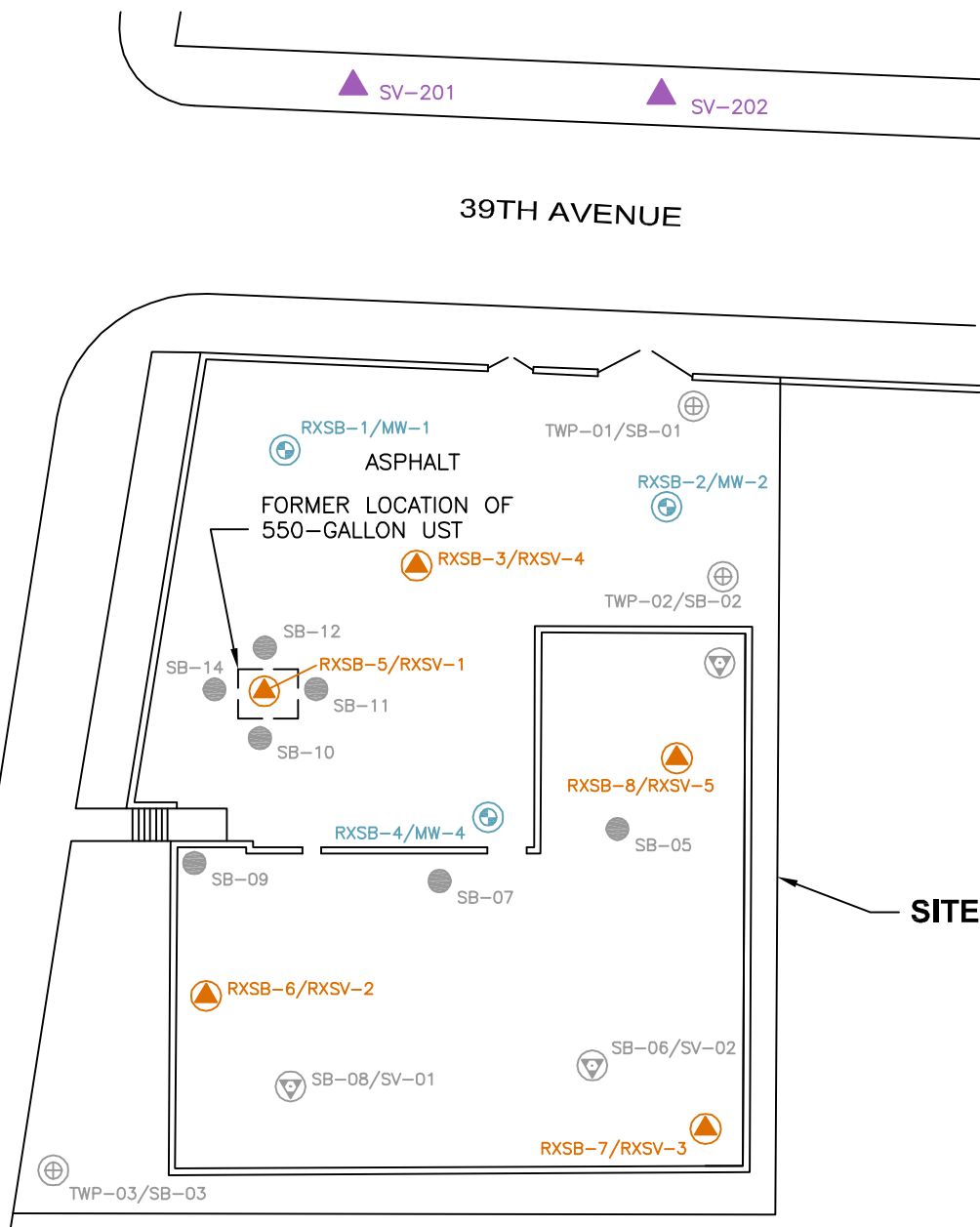
Compiled by: R.L.	Date: 15JUL16
Prepared by: M.R.	Scale: " = 1,500 '
Project Mgr: M.R.	Project: 2471Y.001Y000
File: 2741Y.0001Y103.1	

FIGURE

1



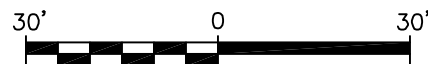
COLLEGE POINT BOULEVARD



SITE

LEGEND

-  GROUNDWATER AND SOIL SAMPLING LOCATION AND DESIGNATION
-  SOIL VAPOR AND SOIL SAMPLING LOCATION AND DESIGNATION
-  FORMER SOIL BORING SAMPLE LOCATION
-  FORMER SOIL BORING AND TEMPORARY WELL POINT SAMPLE LOCATION
-  FORMER SOIL BORING AND SUB-SLAB VAPOR SAMPLE LOCATION
-  OFFSITE SOIL VAPOR SAMPLING LOCATION



Title:

SAMPLING LOCATIONS

FLUSHING MIXED-USE BUILDING
133-04 39TH AVENUE
FLUSHING, NEW YORK 11354

Prepared For:

ASIAN AMERICANS FOR EQUALITY

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: R.H.	Date: 17FEB17
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr: M.R.	Project: 2741.0001Y000
File: 2741.0001Y103.01.DWG	

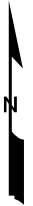
FIGURE

2

V:\GIS\Projects\2741Y\103\2741Y.0001Y103.2.mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



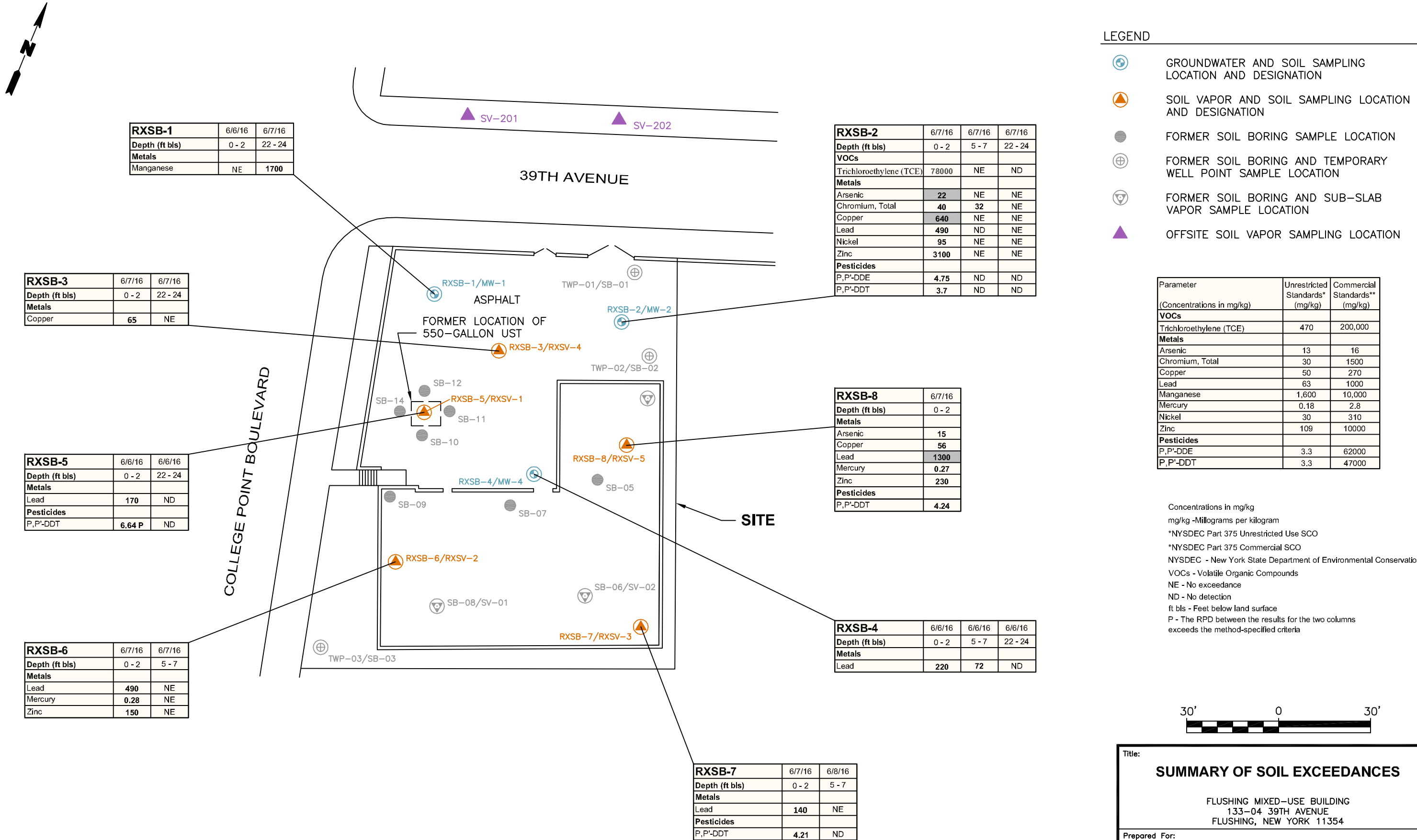
Land Use Legend

- Site Boundary
- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Building
- Commerical & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Parking Facilities
- Vacant Land



Title:			
SURROUNDING LAND USE			
133-04 38TH AVENUE FLUSHING, NEW YORK. 11354			
Prepared For:			
ASIAN AMERICANS FOR EQUALITY			
	Compiled by: R.L.	Date: 19JUL16	FIGURE 3
	Prepared by: M.R.	Scale: 1" = 120'	
	Project Mgr: M.R.	Project: 2471Y.001Y000	
	File: 2741Y.0001Y103.2		

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Title:

SUMMARY OF SOIL EXCEEDANCES

FLUSHING MIXED-USE BUILDING
133-04 39TH AVENUE
FLUSHING, NEW YORK 11354

Prepared For:

ASIAN AMERICANS FOR EQUALITY

ROUX

ROUX ASSOCIATES, INC.

Environmental Consulting & Management

Compiled by: R.L.

Prepared by: J.A.D.

Project Mgr: M.R.

File: 2741.0001Y103.01.DWG

Date: 17FEB17

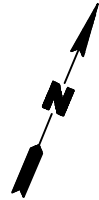
Scale: AS SHOWN

Project: 2741.0001Y000

FIGURE

4

V:\CAD\PROJECTS\2741\0001\103\2741.0001Y103.01.DWG



MW-1	6/15/16
Metals, Total	
Barium	1164
Chromium, Total	854.9
Copper	286.2
Iron	235000
Lead	617.6
Manganese	12810
Nickel	194.3
Selenium	49
Thallium	0.8
Metals, Dissolved	
Manganese	1108

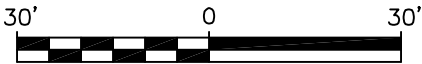
MW-2	6/15/16
VOCs	
Trichloroethylene (TCE)	14
Metals, Total	
Arsenic	42.5
Barium	1010
Chromium, Total	221
Iron	122000
Lead	156.2
Manganese	10400
Nickel	301.7
Selenium	29
Thallium	0.6
Metals, Dissolved	
Manganese	4630

LEGEND

- GROUNDWATER AND SOIL SAMPLING LOCATION AND DESIGNATION
- SOIL VAPOR AND SOIL SAMPLING LOCATION AND DESIGNATION
- FORMER SOIL BORING SAMPLE LOCATION
- FORMER SOIL BORING AND TEMPORARY WELL POINT SAMPLE LOCATION
- FORMER SOIL BORING AND SUB-SLAB VAPOR SAMPLE LOCATION
- OFFSITE SOIL VAPOR SAMPLING LOCATION

Parameter	Standards* (µg/L)
VOCs	
Trichloroethylene (TCE)	5
Metals, Total	
Arsenic	25
Barium	1000
Chromium, Total	50
Copper	200
Iron	300
Lead	25
Manganese	300
Nickel	100
Selenium	10
Thallium	0.5
Metals, Dissolved	
Manganese	300

Concentrations in µg/L
µg/L -Micrograms per liter
*NYSDEC AWQSGVs
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds



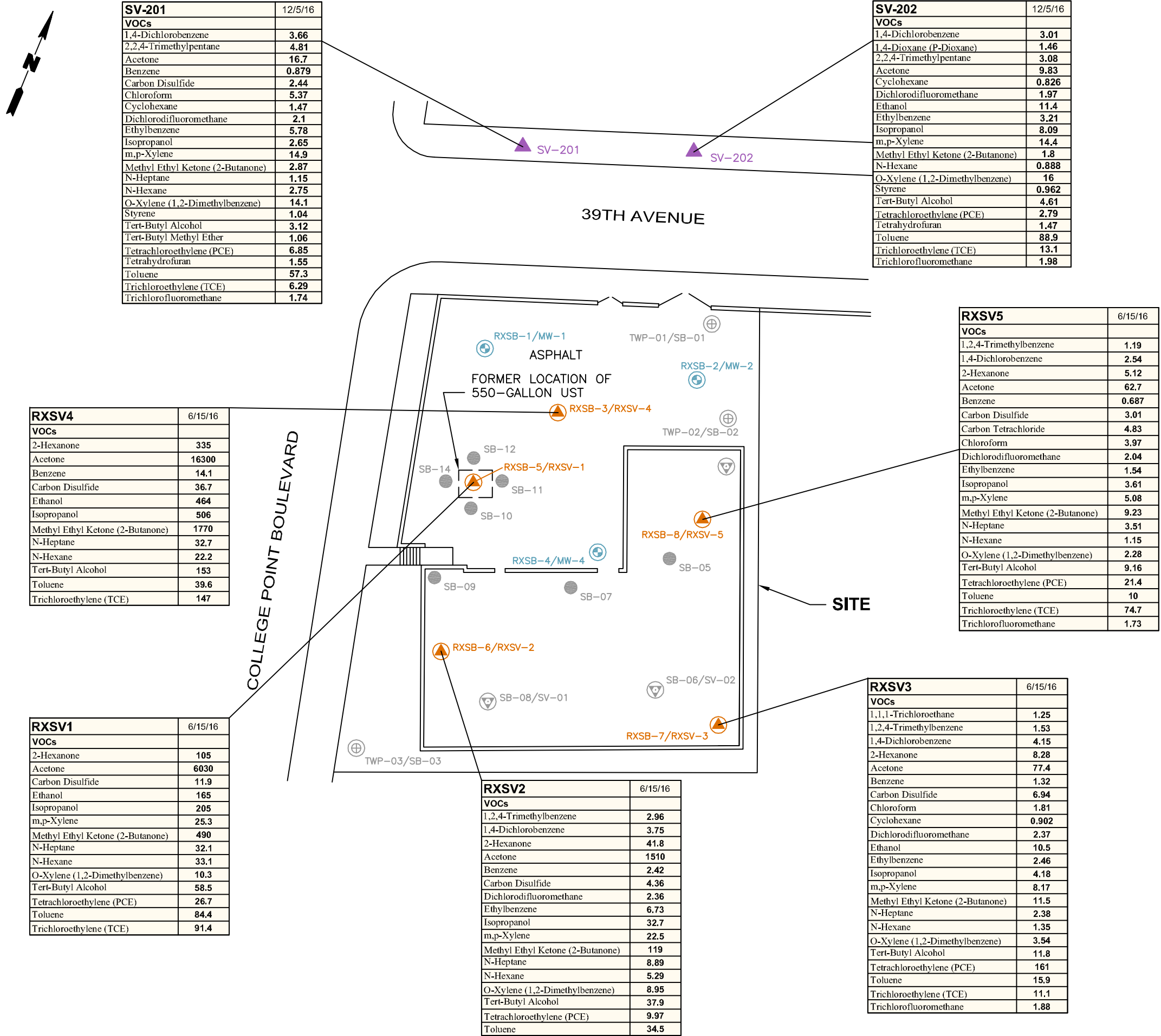
Title: **SUMMARY OF
GROUNDWATER EXCEEDANCES**

FLUSHING MIXED-USE BUILDING
133-04 39TH AVENUE
FLUSHING, NEW YORK 11354

Prepared For:
ASIAN AMERICANS FOR EQUALITY



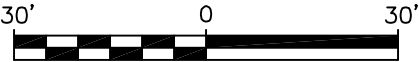
Compiled by: R.L.	Date: 19JUL16	FIGURE 5
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: M.R.	Project: 2741.0001Y000	
File: 2741.0001Y103.01.DWG		



LEGEND

- GROUNDWATER AND SOIL SAMPLING LOCATION AND DESIGNATION
- SOIL VAPOR AND SOIL SAMPLING LOCATION AND DESIGNATION
- FORMER SOIL BORING SAMPLE LOCATION
- FORMER SOIL BORING AND TEMPORARY WELL POINT SAMPLE LOCATION
- FORMER SOIL BORING AND SUB-SLAB VAPOR SAMPLE LOCATION
- OFFSITE SOIL VAPOR SAMPLING LOCATION

Concentrations in $\mu\text{g}/\text{m}^3$
 $\mu\text{g}/\text{m}^3$ - Micrograms per cubic meter
VOCs - Volatile Organic Compounds



Title: **SUMMARY OF SOIL VAPOR DETECTIONS**

FLUSHING MIXED-USE BUILDING
133-04 39TH AVENUE
FLUSHING, NEW YORK 11354

Prepared For: **ASIAN AMERICANS FOR EQUALITY**

ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: R.L.	Date: 17FEB17	FIGURE 6
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: M.R.	Project: 2741.0001Y000	
	File: 2741.0001Y103.01.DWG		

APPENDICES

- A. Site Plans (*Intentionally Omitted*)
- B. 2002 Phase I ESA
(*Intentionally Omitted – Previously Submitted to the OER*)
- C. 2007 Phase II ESA
(*Intentionally Omitted – Previously Submitted to the OER*)
- D. Boring Logs
- E. Laboratory Deliverables

APPENDIX A

Site Plans
(Intentionally Omitted)

APPENDIX B

2002 Phase I ESA

(Intentionally Omitted – Previously Submitted to the OER)

APPENDIX C

2007 Phase II ESA
(Intentionally Omitted – Previously Submitted to the OER)

APPENDIX D

Boring Logs



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WELL CONSTRUCTION LOG

WELL NO. RXSB-1/MW-1		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave			
APPROVED BY M. Roux	LOGGED BY M. Diggory		Queens, NY		
DRILLING CONTRACTOR/DRILLER ADT / CM			GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches		DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 6/6/16-6/7/16
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE Slotted MAT. PVC TOTAL LENGTH 10.0ft DIA. 1-inch SLOT SIZE 10-Slot				
ELEVATION OF: (Feet ABOVE Site Datum) 44.09		GROUND SURFACE TOP OF WELL CASING 14.1 / 4.1			GRAVEL PACK SIZES #1 Sand

Depth, feet	Graphic Log		Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
			Asphalt.			
			Dark brown; fine SAND and SILT; some F-M Sand; little Gravel; trace Brick; moist (Fill)		3.1	Handcleared to 5 ft bls.; sample 'RXSB-1/0-2' collected
5			Brown; F-M SAND; little Silt; trace Gravel; moist (SP-SM)		2.0	
					1.2	3 foot recovery.
					1.7	
10			Brown; FMC SAND; little Silt, Gravel, Clay; moist (SW-SM)			
					1.1	3.5 foot recovery
					1.2	
15					0.9	4 foot recovery
					2.0	
					3.3	
					3.5	
20			Brown; FMC SAND; little Silt, Gravel, Clay; moist; broken large Gravel/small Cobble in top of sleeve; clumps of Clay observed; 1 to 2 inch thick red-brown layer near ~24ft (SW-SC)		3.0	2 foot recovery; sample 'RXSB-1/22-24' collected
					3.5	
					2.1	
25						



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WELL CONSTRUCTION LOG

WELL NO. RXSB-1/MW-1	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave
APPROVED BY M. Roux	LOGGED BY M. Diagorv	Queens, NY

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
					1.5 foot recovery
	Bentonite Seal	Brown; FMC SAND; little Silt, Gravel, Clay; moist (SW-SM)		0	
	2" PVC Riser				
30		Brown; FM SAND and SILT; little fine Gravel; trace broken Cobbles; moist; at 30.5 and 33.5 there were 0.3' layers of brown Clay; trace fine Gravel; moist (SM)		2.8	5 foot recovery
				3.3	
				3.1	
35		Brown; CMF SAND; little Silt; trace fine Gravel; wet (SW)		0	
				0	
				2.6	5 foot recovery, set temporary well MW-1 at 40 ft bls
				3.3	
40		gray; dense CLAY; moist (CH)		3.4	

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 8/12/16



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WELL CONSTRUCTION LOG

WELL NO. RXSB-2/MW-2	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse	LOCATION 133-04 39th Ave	
APPROVED BY M. Roux	LOGGED BY M. Diggory	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM	GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet ABOVE Site Datum) 44.75	GROUND SURFACE	TOP OF WELL CASING
	TOP & BOTTOM SCREEN 9.8 / -0.3	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 6/7/16-6/7/16
		GRAVEL PACK SIZES #1 Sand
		SLOT SIZE 10-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
5		Asphalt gray; CMF SAND and sand-sized Slag; some fine Gravel, fine gravel-sized Slag; trace Silt; moist (Fill)	0.2		Handcleared to 5 ft bls.; soil sample 'RXSB-2/0-2' collected
10		Brown; fine SAND and SILT; little Clay; moist (SM)	1.2		4 foot recovery; soil sample 'RXSB-2/5-7' collected
15		Brown; CMF SAND; little Silt, F-C Gravel; trace Clay; moist (SW-SM)	1.0		4 foot recovery
20		Brown; F-M SAND; trace Silt, fine Gravel; moist (SP)	0.0		4 foot recovery
25		Brown; fine SAND and SILT; trace Clay, fine Gravel; moist (SP-SM)	2.4		4 foot recovery
		Brown; SILT and CLAY; moist (CL-ML)	2.8		5 foot recovery; soil sample 'RXSB-2/22-24' collected
		Light brown; fine SAND and SILT; little Clay; moist (SP-SM)	1.6		
		increasing amounts of Clay, at 25' grey CLAY (CL-ML)	3.8		

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WELL CONSTRUCTION LOG

WELL NO. RXSB-2/MW-2		NORTHING Not Measured	EASTING Not Measured			
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse			LOCATION 133-04 39th Ave			
APPROVED BY M. Roux		LOGGED BY M. Diggory	Queens, NY			
Depth, feet	Graphic Log		Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
			Grey-brown; CLAY; moist (CH)			5 foot recovery
					2.5	
					3.6	
					3.4	
30			Grey-brown; CLAY; moist (CH)			30
		Bentonite Seal				5 foot recovery
					1.4	
			Orange; CMF SAND; trace Silt; moist (SW)			
			Grey; CLAY; moist (CH)		1.4	
		2" PVC Riser				
					0	
35			Dark grey; CLAY; moist (CH)			35
						5 foot recovery
					0.1	
40						40
						5 foot recovery; set bottom of well at 45 ft bls
					1.2	
			Orange; F-M SAND; trace Gravel; moist (SP)			
			Dark grey; CLAY with brown SILT; moist (CL-ML)		0.9	
			Light brown; F-M SAND; trace fine Gravel; moist (SP)			
			Dark grey; CLAY; moist (CH)		2.2	
45						45

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WELL CONSTRUCTION LOG

WELL NO. RXSB-3/RXSV-4	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse	LOCATION 133-04 39th Ave	
APPROVED BY M. Roux	LOGGED BY M. Diggory	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM	GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. / 1-inch	SCREEN: TYPE MAT. TOTAL LENGTH 2.0 ft DIA. 1-inch SLOT SIZE 10-Slot	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet ABOVE Site Datum) 45.32	GROUND SURFACE TOP OF WELL CASING TOP & BOTTOM SCREEN 22.3 / 20.3	START-FINISH DATE 6/7/16-6/7/16
GRAVEL PACK SIZES #1 Sand		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			Handcleared to 5 ft bls.; soil sample 'RXSB-3/0-2' collected
5		Brown; fine SAND and SILT; little Clay; trace fine Gravel; moist (SM)		0.6	
		Brown; CMF SAND and SILT; little fine Gravel; trace Clay; moist (SW-SM)			4 foot recovery
		Brown; fine SAND and SILT; trace Clay; moist (SP-SM)		3.1	
				0	
10		Brown; M-C SAND; little fine Gravel; trace coarse Gravel; moist (SPG)		0.4	4 foot recovery
	Soil vapor tubing			1.9	
				3.8	
15		Brown; SILT; little fine Sand and Gravel; dry (ML)		1.6	4 foot recovery
		Brown; F-M SAND; some Silt; moist; defined change in layers (SP-SM)		0	
20		Brown; SILT; some Clay; little fine Sand; trace fine Gravel; dry-moist (ML)			4.5 foot recovery; soil sample 'RXSB-3/22-24' collected; end of boring set at 25' with soil vapor point RXSV-4
	Bentonite Seal	Brown; F-M SAND; some Silt; moist (SP-SM)		0	
	Soil vapor point				
25					

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WELL CONSTRUCTION LOG

WELL NO. RXSB-4/MW-4	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse	LOCATION 133-04 39th Ave	
APPROVED BY M. Roux	LOGGED BY M. Diggory	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM	GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet ABOVE Site Datum) 45.50	GROUND SURFACE	TOP OF WELL CASING
	TOP & BOTTOM SCREEN 10.5 / 0.5	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 6/6/16-6/6/16
		GRAVEL PACK SIZES #1 Sand
		SLOT SIZE 10-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt			Handcleared to 5 ft bls.; sample 'RXSB-4/0-2' collected
	Δ Δ Δ	Dark brown; fine SAND and SILT, some MC Sand; little Gravel; trace Brick, asphalt, and cobble; moist (FILL)			
	Δ Δ Δ	Dark brown, M-C SAND; some fine Sand and Silt, Gravel, and Cobble; little Brick; moist (FILL)		0	
	Δ Δ Δ	Dark brown; M-C SAND; some fine Sand, Silt, Gravel, Cobble; little Brick; moist (FILL)			
5	Δ Δ Δ	Dark brown; F-M SAND; some fine Sand, Silt; little Gravel, Brick; moist (FILL)			4.5 foot recovery.
	Δ Δ Δ	Light brown; fine SAND; some Silt; trace Clay; moist (SM)		0	
10	○ ○ ○	Dark brown; M-C SAND with GRAVEL; some F-M Sand; trace Silt; moist (SPG)			2 foot recovery
	○ ○ ○	Light brown; F-M SAND; trace fine Sand, Gravel; moist (SP)		2.2	
15	○ ○ ○	Light brown to light gray; Medium SAND; some fine Sand; little coarse Sand; trace Gravel; moist (SP)		0	2 foot recovery
	○ ○ ○				
20	○ ○ ○			2.2	4.5 foot recovery; sample 'RXSB-4/22-24' collected
	○ ○ ○				
25	○ ○ ○				

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WELL CONSTRUCTION LOG

WELL NO. RXSB-4/MW-4	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave
APPROVED BY M. Roux	LOGGED BY M. Diagorv	Queens, NY

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Light brown to light gray; Medium SAND; some fine Sand; little coarse Sand; trace Gravel; moist (SP) (continued)			4 foot recovery
30				0	
	Bentonite Seal				
	2" PVC Riser			0	
35		Dark brown; F-M SAND; little coarse Sand; trace Gravel; wet (SP)		0	4 foot recovery; apparent water table at 37 ft bls; staining and odor from 37.5 ft bls
		Dark gray; F-M SAND; little coarse Sand; trace Gravel; wet; staining; odor (SP)		258	
40	10 ft of 2" diameter, 0.10 slot PVC screen	Dark brown; M-C SAND with GRAVEL; little fine Sand; wet (SPG)		162	4 foot recovery; staining and odor apparent through to 42 ft bls
		Greyish brown; F-M SAND; trace Gravel; wet (SP)		0	
45				17.4	

set temporary well MW-4 at
45 ft bls

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WELL CONSTRUCTION LOG

WELL NO. RXSB-5/RXSV-1	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse	LOCATION 133-04 39th Ave	
APPROVED BY M. Roux	LOGGED BY M. Diggory	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM	GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet ABOVE Site Datum) 45.60	MAT. PVC	TOTAL LENGTH 2.0 ft
GROUND SURFACE	TOP OF WELL CASING	START-FINISH DATE 6/6/16-6/6/16
TOP & BOTTOM SCREEN 22.6 / 20.6	GRAVEL PACK SIZES #1 Sand	SLOT SIZE 10-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt		2	Handcleared to 5 ft bls.; soil sample 'RXSB-5/0-2' collected
5		Dark brown; fine SAND and SILT; some Gravel, Cobble; little Brick; moist (Fill)			
		Dark brown - light gray; F-M SAND; some coarse Sand; moist (SP)			2 foot recovery
10			3.9		
					5 foot recovery
15		Light brown; F-M SAND; little coarse Sand; trace Gravel; moist (SP)	0		
			0		4 foot recovery
20		Light-dark brown; F-M SAND; little coarse Sand; trace Gravel; moist (SP)	0		
			0		4.5 foot recovery; soil sample 'RXSB-5/22-24' collected; end of boring set at 25' with soil vapor point RXSV-1
25			0		

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Soil vapor
point



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WELL CONSTRUCTION LOG

WELL NO. RXSB-6/RXSV-2	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse	LOCATION 133-04 39th Ave	
APPROVED BY M. Roux	LOGGED BY A. Muscietta	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM	GEOGRAPHIC AREA	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet ABOVE Site Datum) 45.80	GROUND SURFACE	START-FINISH DATE 6/7/26-6/8/16
	TOP OF WELL CASING	GRAVEL PACK SIZES #1 Sand
		TOTAL LENGTH 1.0 ft
		DIA. 1-inch
		SLOT SIZE 10-Slot
		TOP & BOTTOM SCREEN 36.8 / 35.8

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete			
	Bentonite top seal	Dark brown; SILT with some FMC SAND; little Clay, Gravel; moist (MLS)			Hand clear to 5 ft bls; soil sample 'RXSB-6/0-2' collected
				1.2	
5	Soil vapor tubing in sand fill	Brown; SILT; some Clay; little fine Sand; moist (ML)			2 foot recovery
			0		
		Brown; F-M SAND; some Silt; moist (SP)		0	
			0		
	Bentonite Seal	Brown; F-M SAND; some Silt; trace Clay, trace weathered rock at end of core; moist (SP-SM)			2 foot recovery; refusal at 10 ft bls; soil sample 'RXSB-6/8-10' collected
			1.2		
	Soil vapor point		1.3		
10			1.5		

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WELL CONSTRUCTION LOG

WELL NO. RXSB-7/RXSV-3	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave
APPROVED BY M. Roux	LOGGED BY A. Muscietta	Queens, NY
DRILLING CONTRACTOR/DRILLER ADT / CM		GEOGRAPHIC AREA
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE MAT. PVC	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet ABOVE Site Datum) 45.80	GROUND SURFACE TOP OF WELL CASING	TOTAL LENGTH 1.0 ft TOP & BOTTOM SCREEN 39.3 / 38.3
		DIA. 1-inch SLOT SIZE 10-Slot
		GRAVEL PACK SIZES #1 Sand

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Bentonite top seal	Concrete		1.4	Hand clear to 5 ft bls; sample 'RXSB-7/0-2' collected
	Soil vapor tubing in sand fill	Light brown; SILT with some F-M SAND; some Gravel; little Clay; moist (MLS)			
5	Bentonite Seal	Brown; F-C SAND; some F-M Gravel; little Silt; moist (SPG)		3.9	1.5 foot recovery; refusal at 7.5 ft bls set SV-3 point; sample 'RXSB-7/5-7' collected
	Soil vapor point				

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 8/12/16



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WELL CONSTRUCTION LOG

WELL NO. RXSB-8/RXSV-5		NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave			
APPROVED BY M. Roux	LOGGED BY A. Muscietta		Queens, NY		
DRILLING CONTRACTOR/DRILLER ADT / CM			GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches		DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 6/7/16-6/8/16
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE MAT. PVC TOTAL LENGTH 1.0 ft DIA. 1-inch SLOT SIZE 10-Slot				
ELEVATION OF: GROUND SURFACE (Feet ABOVE Site Datum) 45.80		TOP OF WELL CASING		TOP & BOTTOM SCREEN 35.3 / 34.3	
		GRAVEL PACK SIZES #1 Sand			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Bentonite top seal	Concrete		4.5	Hand clear to 5 ft bls; soil sample 'RXSB-8/0-2' collected
5	Soil vapor tubing in sand fill	Brown; SILT and CLAY; trace fine Sand, fine Gravel; moist (CL-ML)		5	3 foot recovery
		Brown; F-M SAND; some Silt; trace Gravel; moist (SP-SM)		0.8	
		Brown; F-M SAND; some Silt; moist (SP-SM)		5.3	
				3.1	3 foot recovery; refusal at 11.5 ft bls set soil vapor point RXSV-5
10	Bentonite Seal	Brown; fine SAND; little Silt, F-C Gravel; moist (SP)		2.3	
	Soil vapor point			3.1	

BORING/FEET 2741.0001Y.GPJ ROUX.GDT 8/12/16



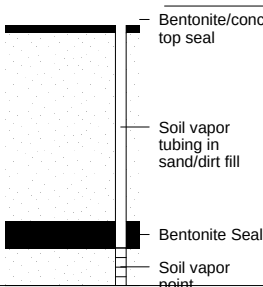
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

209 Shafter Street
Islandia, NY 11749
Telephone: (631) 232-2600
Fax: (631) 232-9898

Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. SV 201	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave		
APPROVED BY DRAFT	LOGGED BY R. Lowy	Queens, NY		
DRILLING CONTRACTOR/DRILLER ADT / T/RJ		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 4-in. / Hand/Vac	BOREHOLE DIAMETER 4-inches	DRILLING EQUIPMENT/METHOD / Hand/Vac	SAMPLING METHOD 4" Hand Auger	START-FINISH DATE 11/29/16-11/29/16
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE _____ MAT. PVC TOTAL LENGTH 1.0 ft DIA. 1-inch SLOT SIZE 10-Slot			
ELEVATION OF: (Feet ABOVE Site Datum)		GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
				GRAVEL PACK SIZES #1 Sand

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt Brown; fine SAND with some SILT; trace fine to coarse Gravel			
5					



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Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. SV 202	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 2741.0001Y / AAFE - Flushing MultiUse		LOCATION 133-04 39th Ave		
APPROVED BY DRAFT	LOGGED BY R. Lowy	Queens, NY		
DRILLING CONTRACTOR/DRILLER ADT / T/RJ		GEOGRAPHIC AREA		
DRILL BIT DIAMETER/TYPE 4-in. / Hand/Vac	BOREHOLE DIAMETER 4-inches	DRILLING EQUIPMENT/METHOD / Hand/Vac	SAMPLING METHOD 4" Hand Auger	START-FINISH DATE 11/29/16-11/29/16
CASING MAT./DIA. PVC / 1-inch	SCREEN: TYPE _____ MAT. PVC TOTAL LENGTH 1.0 ft DIA. 1-inch SLOT SIZE 10-Slot			
ELEVATION OF: (Feet ABOVE Site Datum)		GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN
				GRAVEL PACK SIZES #1 Sand

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Asphalt Brown; fine SAND with some SILT; trace fine to coarse Gravel			
5					5

APPENDIX E

Laboratory Deliverables



ANALYTICAL REPORT

Lab Number:	L1617080
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Michael Roux
Phone:	(631) 232-2600
Project Name:	AAFE
Project Number:	2741.0001Y
Report Date:	06/13/16

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1617080-01	RXSB-4/0-2	SOIL	FLUSHING, NY	06/06/16 10:40	06/06/16
L1617080-02	DUP 060616	SOIL	FLUSHING, NY	06/06/16 11:00	06/06/16
L1617080-03	RXSB-4/22-24	SOIL	FLUSHING, NY	06/06/16 13:30	06/06/16
L1617080-04	RXSB-5/0-2	SOIL	FLUSHING, NY	06/06/16 14:50	06/06/16
L1617080-05	RXSB-1/0-2	SOIL	FLUSHING, NY	06/06/16 16:00	06/06/16
L1617080-06	RXSB-5/22-24	SOIL	FLUSHING, NY	06/06/16 16:30	06/06/16
L1617080-07	FB060616	WATER	FLUSHING, NY	06/06/16 14:45	06/06/16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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.

Metals

L1617080-01 through -06: The sample has elevated detection limits due to the dilution required by matrix interferences encountered during analysis.

The WG901465-2 LCS recovery, associated with L1617080-07, is above the acceptance criteria for mercury (121%); however, the associated sample is non-detect for this target analyte. The results of the original analysis are reported.

The WG901375-4 MS recoveries for aluminum (291%), iron (3490%), lead (0%), and manganese (70%), performed on L1617080-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG901375-4 MS recoveries, performed on L1617080-01, are outside the acceptance criteria for antimony (58%), arsenic (69%), barium (0%), beryllium (68%), cadmium (57%), calcium (0%), chromium (64%), cobalt (57%), magnesium (46%), nickel (60%), selenium (59%), silver (62%), thallium (53%), vanadium (68%), and zinc (68%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (122%), beryllium (125%), selenium (125%), and silver (20%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG901375-3 Laboratory Duplicate RPDs, performed on L1617080-01, are outside the acceptance criteria for barium (124%), calcium (38%), lead (88%), and potassium (24%). The elevated RPDs have 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: 06/13/16

ORGANICS

VOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 02:41
Analyst: PK
Percent Solids: 89%

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.64	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	12		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 03:07
Analyst: PK
Percent Solids: 88%

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	0.66	J	ug/kg	1.6	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	8.5	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.41	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	95		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 03:33
Analyst: PK
Percent Solids: 96%

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.80	J	ug/kg	1.7	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.2	0.38	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.45	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	5.7	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.6	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.6	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.6	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.6	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 03:58
Analyst: PK
Percent Solids: 79%

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	ND		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	0.86	J	ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylenes, Total	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	7.0	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 04:24
Analyst: PK
Percent Solids: 91%

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.4	0.15	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	0.71	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.4	0.32	1
Bromomethane	ND		ug/kg	2.2	0.36	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.4	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.4	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.21	1
o-Xylene	ND		ug/kg	2.2	0.18	1
Xylenes, Total	ND		ug/kg	2.2	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	5.6	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.72	1
Bromochloromethane	ND		ug/kg	5.4	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.3	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.4	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.4	0.15	1
o-Chlorotoluene	ND		ug/kg	5.4	0.17	1
p-Chlorotoluene	ND		ug/kg	5.4	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.4	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.4	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.4	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.4	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.4	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.4	0.15	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.3	0.17	1
p-Ethyltoluene	ND		ug/kg	4.3	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.3	0.14	1
Ethyl ether	ND		ug/kg	5.4	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	104		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/09/16 04:50
Analyst: PK
Percent Solids: 96%

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.45	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.1	0.47	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.1	0.17	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	0.79	J	ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.1	0.36	1
Bromomethane	ND		ug/kg	2.4	0.41	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.1	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.1	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.21	1
Xylenes, Total	ND		ug/kg	2.4	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.49	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	6.5	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.81	1
Bromochloromethane	ND		ug/kg	6.1	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.1	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.1	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.1	0.16	1
o-Chlorotoluene	ND		ug/kg	6.1	0.19	1
p-Chlorotoluene	ND		ug/kg	6.1	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.1	0.48	1
Hexachlorobutadiene	ND		ug/kg	6.1	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.1	0.17	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.1	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.1	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.1	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.1	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.1	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/16 13:47
Analyst: PD

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	102		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/16 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901866-5					
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	0.13
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	0.14
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	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/16 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901866-5					
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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/16 12:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901866-5					
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	41.
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	0.65
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	109		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	105		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/16 20:15
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG902129-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 1,8260C
Analytical Date: 06/08/16 20:15
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG902129-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/16 20:15
Analyst: PK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-06 Batch: WG902129-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901866-3 WG901866-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	98		100		70-130	2		20
2-Chloroethylvinyl ether	79		89		70-130	12		20
Carbon tetrachloride	92		96		63-132	4		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	94		98		63-130	4		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	110		110		75-130	0		20
Trichlorofluoromethane	96		100		62-150	4		20
1,2-Dichloroethane	96		98		70-130	2		20
1,1,1-Trichloroethane	92		95		67-130	3		20
Bromodichloromethane	93		96		67-130	3		20
trans-1,3-Dichloropropene	94		98		70-130	4		20
cis-1,3-Dichloropropene	92		95		70-130	3		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	86		92		54-136	7		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		110		70-130	10		20
Toluene	110		110		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901866-3 WG901866-4								
Ethylbenzene	110		120		70-130	9		20
Chloromethane	92		96		64-130	4		20
Bromomethane	69		68		39-139	1		20
Vinyl chloride	110		120		55-140	9		20
Chloroethane	140	Q	140	Q	55-138	0		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	99		100		70-130	1		20
1,2-Dichlorobenzene	110		120		70-130	9		20
1,3-Dichlorobenzene	120		120		70-130	0		20
1,4-Dichlorobenzene	110		110		70-130	0		20
Methyl tert butyl ether	87		96		63-130	10		20
p/m-Xylene	115		120		70-130	4		20
o-Xylene	115		120		70-130	4		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	96		100		70-130	4		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	100		110		70-130	10		20
Isopropyl Ether	110		110		70-130	0		20
tert-Butyl Alcohol	70		94		70-130	29	Q	20
Styrene	120		125		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901866-3 WG901866-4								
Dichlorodifluoromethane	91		97		36-147	6		20
Acetone	90		88		58-148	2		20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	98		110		63-138	12		20
Vinyl acetate	94		100		70-130	6		20
4-Methyl-2-pentanone	100		120		59-130	18		20
2-Hexanone	95		100		57-130	5		20
Acrolein	94		100		40-160	6		20
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	90		94		63-133	4		20
1,2-Dibromoethane	100		110		70-130	10		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	110		110		70-130	0		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	120		120		70-130	0		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	120		110		70-130	9		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	84		92		41-144	9		20
Hexachlorobutadiene	100		100		63-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901866-3 WG901866-4								
Isopropylbenzene	110		120		70-130	9		20
p-Isopropyltoluene	120		120		70-130	0		20
Naphthalene	110		120		70-130	9		20
n-Propylbenzene	120		120		69-130	0		20
1,2,3-Trichlorobenzene	110		120		70-130	9		20
1,2,4-Trichlorobenzene	110		110		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		120		70-130	9		20
Methyl Acetate	100		120		70-130	18		20
Ethyl Acetate	95		100		70-130	5		20
Cyclohexane	110		120		70-130	9		20
Ethyl-Tert-Butyl-Ether	90		97		70-130	7		20
Tertiary-Amyl Methyl Ether	85		92		66-130	8		20
1,4-Dioxane	64		126		56-162	65	Q	20
1,1,2-Trichloro-1,2,2-Trifluoroethane	100		110		70-130	10		20
p-Diethylbenzene	120		120		70-130	0		20
p-Ethyltoluene	120		120		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		120		70-130	9		20
Tetrahydrofuran	100		100		58-130	0		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	88		99		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901866-3 WG901866-4								
Iodomethane	36	Q	45	Q	70-130	22	Q	20
Methyl cyclohexane	97		100		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	110		110		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	101		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG902129-1 WG902129-2								
Methylene chloride	108		105		70-130	3		30
1,1-Dichloroethane	112		105		70-130	6		30
Chloroform	110		102		70-130	8		30
Carbon tetrachloride	116		108		70-130	7		30
1,2-Dichloropropane	102		102		70-130	0		30
Dibromochloromethane	96		96		70-130	0		30
2-Chloroethylvinyl ether	79		83		70-130	5		30
1,1,2-Trichloroethane	100		100		70-130	0		30
Tetrachloroethene	103		100		70-130	3		30
Chlorobenzene	103		100		70-130	3		30
Trichlorofluoromethane	128		115		70-139	11		30
1,2-Dichloroethane	106		104		70-130	2		30
1,1,1-Trichloroethane	113		106		70-130	6		30
Bromodichloromethane	106		101		70-130	5		30
trans-1,3-Dichloropropene	99		100		70-130	1		30
cis-1,3-Dichloropropene	105		103		70-130	2		30
1,1-Dichloropropene	110		103		70-130	7		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	84		87		70-130	4		30
Benzene	108		103		70-130	5		30
Toluene	96		92		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG902129-1 WG902129-2								
Ethylbenzene	107		103		70-130	4		30
Chloromethane	105		95		52-130	10		30
Bromomethane	108		96		57-147	12		30
Vinyl chloride	111		102		67-130	8		30
Chloroethane	114		105		50-151	8		30
1,1-Dichloroethene	113		105		65-135	7		30
trans-1,2-Dichloroethene	108		102		70-130	6		30
Trichloroethene	113		104		70-130	8		30
1,2-Dichlorobenzene	97		98		70-130	1		30
1,3-Dichlorobenzene	99		98		70-130	1		30
1,4-Dichlorobenzene	99		97		70-130	2		30
Methyl tert butyl ether	95		97		66-130	2		30
p/m-Xylene	112		107		70-130	5		30
o-Xylene	110		106		70-130	4		30
cis-1,2-Dichloroethene	106		103		70-130	3		30
Dibromomethane	103		100		70-130	3		30
Styrene	110		106		70-130	4		30
Dichlorodifluoromethane	108		97		30-146	11		30
Acetone	98		105		54-140	7		30
Carbon disulfide	75		69		59-130	8		30
2-Butanone	93		101		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG902129-1 WG902129-2								
Vinyl acetate	91		90		70-130	1		30
4-Methyl-2-pentanone	74		80		70-130	8		30
1,2,3-Trichloropropane	92		92		68-130	0		30
2-Hexanone	68	Q	75		70-130	10		30
Bromochloromethane	112		107		70-130	5		30
2,2-Dichloropropane	116		110		70-130	5		30
1,2-Dibromoethane	93		98		70-130	5		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	103		99		70-130	4		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	108		104		70-130	4		30
sec-Butylbenzene	106		103		70-130	3		30
tert-Butylbenzene	100		98		70-130	2		30
o-Chlorotoluene	106		104		70-130	2		30
p-Chlorotoluene	101		98		70-130	3		30
1,2-Dibromo-3-chloropropane	75		81		68-130	8		30
Hexachlorobutadiene	96		95		67-130	1		30
Isopropylbenzene	100		96		70-130	4		30
p-Isopropyltoluene	96		93		70-130	3		30
Naphthalene	75		82		70-130	9		30
Acrylonitrile	87		88		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG902129-1 WG902129-2								
Isopropyl Ether	102		99		66-130	3		30
tert-Butyl Alcohol	82		93		70-130	13		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	91		94		70-130	3		30
1,2,4-Trichlorobenzene	90		92		70-130	2		30
1,3,5-Trimethylbenzene	105		100		70-130	5		30
1,2,4-Trimethylbenzene	105		101		70-130	4		30
Methyl Acetate	94		96		51-146	2		30
Ethyl Acetate	28	Q	31	Q	70-130	10		30
Acrolein	84		94		70-130	11		30
Cyclohexane	106		102		59-142	4		30
1,4-Dioxane	77		85		65-136	10		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	124		116		50-139	7		30
p-Diethylbenzene	100		96		70-130	4		30
p-Ethyltoluene	102		98		70-130	4		30
1,2,4,5-Tetramethylbenzene	83		81		70-130	2		30
Tetrahydrofuran	100		88		66-130	13		30
Ethyl ether	103		102		67-130	1		30
trans-1,4-Dichloro-2-butene	83		87		70-130	5		30
Methyl cyclohexane	113		105		70-130	7		30
Ethyl-Tert-Butyl-Ether	100		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-06 Batch: WG902129-1 WG902129-2								
Tertiary-Amyl Methyl Ether	96		98		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	93		94		70-130
Dibromofluoromethane	107		102		70-130

SEMIVOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 23:35
Analyst: PS
Percent Solids: 89%

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	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	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	82		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/16 00:01
Analyst: PS
Percent Solids: 88%

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	200		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	100	J	ug/kg	110	21.	1
Benzo(a)pyrene	94	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	120		ug/kg	110	31.	1
Benzo(k)fluoranthene	47	J	ug/kg	110	30.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	42	J	ug/kg	110	36.	1
Benzo(ghi)perylene	53	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	150		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	60	J	ug/kg	150	26.	1
Pyrene	170		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	18	J	ug/kg	180	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	75		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 22:20
Analyst: PS
Percent Solids: 96%

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

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	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	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
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	81		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/16 00:26
Analyst: PS
Percent Solids: 79%

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

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	120		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	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	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
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	63	J	ug/kg	120	24.	1
Benzo(a)pyrene	63	J	ug/kg	170	51.	1
Benzo(b)fluoranthene	74	J	ug/kg	120	35.	1
Benzo(k)fluoranthene	37	J	ug/kg	120	34.	1
Chrysene	68	J	ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	49	J	ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	56	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	49	J	ug/kg	170	29.	1
Pyrene	110	J	ug/kg	120	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	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	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	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
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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	71		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 22:45
Analyst: PS
Percent Solids: 91%

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	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	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	83		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 23:10
Analyst: PS
Percent Solids: 96%

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

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	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	46.	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	160	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
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	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	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	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	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	32.	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	150	28.	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	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1
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	17.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	80		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/10/16 01:36
Analyst: PS

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/07/16 23:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.59	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Hexachlorobenzene	ND		ug/l	2.0	0.58	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
2-Chloronaphthalene	ND		ug/l	2.0	0.64	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
Fluoranthene	ND		ug/l	2.0	0.57	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Hexachloroethane	ND		ug/l	2.0	0.68	1
Isophorone	ND		ug/l	5.0	0.60	1
Naphthalene	ND		ug/l	2.0	0.68	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/l	2.0	0.61	1
Benzo(a)pyrene	ND		ug/l	2.0	0.54	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60	1
Chrysene	ND		ug/l	2.0	0.54	1
Acenaphthylene	ND		ug/l	2.0	0.66	1
Anthracene	ND		ug/l	2.0	0.64	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.61	1
Fluorene	ND		ug/l	2.0	0.62	1
Phenanthrene	ND		ug/l	2.0	0.61	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71	1
Pyrene	ND		ug/l	2.0	0.57	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
2-Methylnaphthalene	ND		ug/l	2.0	0.72	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Pentachlorophenol	ND		ug/l	10	3.4	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	85		41-149

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/16 00:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 23:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901557-1					
Acenaphthene	ND		ug/l	2.0	0.59
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Hexachlorobenzene	ND		ug/l	2.0	0.58
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
2-Chloronaphthalene	ND		ug/l	2.0	0.64
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
Fluoranthene	ND		ug/l	2.0	0.57
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Hexachloroethane	ND		ug/l	2.0	0.68
Isophorone	ND		ug/l	5.0	0.60
Naphthalene	ND		ug/l	2.0	0.68
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/16 00:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 23:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901557-1					
Dimethyl phthalate	ND		ug/l	5.0	0.65
Benzo(a)anthracene	ND		ug/l	2.0	0.61
Benzo(a)pyrene	ND		ug/l	2.0	0.54
Benzo(b)fluoranthene	ND		ug/l	2.0	0.64
Benzo(k)fluoranthene	ND		ug/l	2.0	0.60
Chrysene	ND		ug/l	2.0	0.54
Acenaphthylene	ND		ug/l	2.0	0.66
Anthracene	ND		ug/l	2.0	0.64
Benzo(ghi)perylene	ND		ug/l	2.0	0.61
Fluorene	ND		ug/l	2.0	0.62
Phenanthrene	ND		ug/l	2.0	0.61
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.55
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.71
Pyrene	ND		ug/l	2.0	0.57
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66
2-Methylnaphthalene	ND		ug/l	2.0	0.72
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/09/16 00:18
Analyst: PS

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 23:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG901557-1					
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Pentachlorophenol	ND		ug/l	10	3.4
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	92		10-120
4-Terphenyl-d14	94		41-149

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 21:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG902004-1					
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	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
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	17.
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	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	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 21:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG902004-1					
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	27.
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	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	15.
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	61.

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 21:04
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 03:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG902004-1					
4-Nitrophenol	ND		ug/kg	230	67.
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	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	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	69		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901557-2 WG901557-3								
Acenaphthene	65		78		37-111	18		30
Benzidine	0	Q	10		10-75	NC		30
1,2,4-Trichlorobenzene	60		73		39-98	20		30
Hexachlorobenzene	68		80		40-140	16		30
Bis(2-chloroethyl)ether	66		77		40-140	15		30
2-Chloronaphthalene	67		81		40-140	19		30
1,2-Dichlorobenzene	57		68		40-140	18		30
1,3-Dichlorobenzene	54		67		40-140	21		30
1,4-Dichlorobenzene	56		67		36-97	18		30
3,3'-Dichlorobenzidine	47		70		40-140	39	Q	30
2,4-Dinitrotoluene	78		92		24-96	16		30
2,6-Dinitrotoluene	78		92		40-140	16		30
Azobenzene	74		89		40-140	18		30
Fluoranthene	70		84		40-140	18		30
4-Chlorophenyl phenyl ether	67		80		40-140	18		30
4-Bromophenyl phenyl ether	71		85		40-140	18		30
Bis(2-chloroisopropyl)ether	69		82		40-140	17		30
Bis(2-chloroethoxy)methane	72		85		40-140	17		30
Hexachlorobutadiene	54		67		40-140	21		30
Hexachlorocyclopentadiene	47		57		40-140	19		30
Hexachloroethane	54		67		40-140	21		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901557-2 WG901557-3								
Isophorone	74		87		40-140	16		30
Naphthalene	61		74		40-140	19		30
Nitrobenzene	69		83		40-140	18		30
NDPA/DPA	70		83		40-140	17		30
n-Nitrosodi-n-propylamine	71		84		29-132	17		30
Bis(2-ethylhexyl)phthalate	80		97		40-140	19		30
Butyl benzyl phthalate	78		95		40-140	20		30
Di-n-butylphthalate	74		90		40-140	20		30
Di-n-octylphthalate	87		105		40-140	19		30
Diethyl phthalate	73		87		40-140	18		30
Dimethyl phthalate	73		89		40-140	20		30
Benzo(a)anthracene	69		84		40-140	20		30
Benzo(a)pyrene	76		92		40-140	19		30
Benzo(b)fluoranthene	75		90		40-140	18		30
Benzo(k)fluoranthene	69		86		40-140	22		30
Chrysene	67		82		40-140	20		30
Acenaphthylene	69		85		45-123	21		30
Anthracene	68		82		40-140	19		30
Benzo(ghi)perylene	72		86		40-140	18		30
Fluorene	68		82		40-140	19		30
Phenanthrene	67		81		40-140	19		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901557-2 WG901557-3								
Dibenzo(a,h)anthracene	73		88		40-140	19		30
Indeno(1,2,3-cd)pyrene	75		91		40-140	19		30
Pyrene	69		83		26-127	18		30
Biphenyl	61		76		40-140	22		30
4-Chloroaniline	33	Q	45		40-140	31	Q	30
1-Methylnaphthalene	64		79		41-103	21		30
2-Nitroaniline	79		96		52-143	19		30
3-Nitroaniline	51		63		25-145	21		30
4-Nitroaniline	70		87		51-143	22		30
Dibenzofuran	68		80		40-140	16		30
2-Methylnaphthalene	65		79		40-140	19		30
1,2,4,5-Tetrachlorobenzene	55		69		2-134	23		30
Acetophenone	78		94		39-129	19		30
n-Nitrosodimethylamine	40		51		22-74	24		30
2,4,6-Trichlorophenol	71		88		30-130	21		30
p-Chloro-m-cresol	74		92		23-97	22		30
2-Chlorophenol	65		80		27-123	21		30
2,4-Dichlorophenol	73		89		30-130	20		30
2,4-Dimethylphenol	45		83		30-130	59	Q	30
2-Nitrophenol	72		87		30-130	19		30
4-Nitrophenol	53		63		10-80	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901557-2 WG901557-3								
2,4-Dinitrophenol	71		84		20-130	17		30
4,6-Dinitro-o-cresol	71		86		20-164	19		30
Pentachlorophenol	67		80		9-103	18		30
Phenol	38		48		12-110	23		30
2-Methylphenol	62		77		30-130	22		30
3-Methylphenol/4-Methylphenol	63		75		30-130	17		30
2,4,5-Trichlorophenol	75		89		30-130	17		30
Benzoic Acid	45		57		10-164	24		30
Benzyl Alcohol	63		76		26-116	19		30
Carbazole	69		84		55-144	20		30
Parathion, ethyl	100		119		40-140	17		30
Atrazine	103		122		40-140	17		30
Benzaldehyde	71		84		40-140	17		30
Caprolactam	30		36		10-130	18		30
2,3,4,6-Tetrachlorophenol	70		83		40-140	17		30

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG901557-2 WG901557-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		59		21-120
Phenol-d6	40		47		10-120
Nitrobenzene-d5	72		85		23-120
2-Fluorobiphenyl	64		76		15-120
2,4,6-Tribromophenol	72		87		10-120
4-Terphenyl-d14	70		83		41-149

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG902004-2 WG902004-3								
Acenaphthene	75		71		31-137	5		50
Benzidine	17		20		10-66	16		50
1,2,4-Trichlorobenzene	73		73		38-107	0		50
Hexachlorobenzene	80		71		40-140	12		50
Bis(2-chloroethyl)ether	72		76		40-140	5		50
2-Chloronaphthalene	78		77		40-140	1		50
1,2-Dichlorobenzene	69		69		40-140	0		50
1,3-Dichlorobenzene	68		66		40-140	3		50
1,4-Dichlorobenzene	66		66		28-104	0		50
3,3'-Dichlorobenzidine	46		48		40-140	4		50
2,4-Dinitrotoluene	92	Q	82		28-89	11		50
2,6-Dinitrotoluene	96		89		40-140	8		50
Azobenzene	81		74		40-140	9		50
Fluoranthene	80		73		40-140	9		50
4-Chlorophenyl phenyl ether	78		72		40-140	8		50
4-Bromophenyl phenyl ether	76		71		40-140	7		50
Bis(2-chloroisopropyl)ether	71		70		40-140	1		50
Bis(2-chloroethoxy)methane	80		77		40-117	4		50
Hexachlorobutadiene	71		70		40-140	1		50
Hexachlorocyclopentadiene	75		79		40-140	5		50
Hexachloroethane	67		66		40-140	2		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG902004-2 WG902004-3								
Isophorone	83		79		40-140	5		50
Naphthalene	71		72		40-140	1		50
Nitrobenzene	78		78		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	80		72		36-157	11		50
n-Nitrosodi-n-propylamine	81		77		32-121	5		50
Bis(2-Ethylhexyl)phthalate	79		72		40-140	9		50
Butyl benzyl phthalate	82		75		40-140	9		50
Di-n-butylphthalate	80		72		40-140	11		50
Di-n-octylphthalate	78		72		40-140	8		50
Diethyl phthalate	79		72		40-140	9		50
Dimethyl phthalate	84		79		40-140	6		50
Benzo(a)anthracene	75		70		40-140	7		50
Benzo(a)pyrene	82		76		40-140	8		50
Benzo(b)fluoranthene	74		70		40-140	6		50
Benzo(k)fluoranthene	79		74		40-140	7		50
Chrysene	77		73		40-140	5		50
Acenaphthylene	82		78		40-140	5		50
Anthracene	80		73		40-140	9		50
Benzo(ghi)perylene	76		70		40-140	8		50
Fluorene	78		73		40-140	7		50
Phenanthrene	77		73		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG902004-2 WG902004-3								
Dibenzo(a,h)anthracene	78		71		40-140	9		50
Indeno(1,2,3-cd)Pyrene	74		68		40-140	8		50
Pyrene	81		74		35-142	9		50
Biphenyl	67		67		54-104	0		50
4-Chloroaniline	51		53		40-140	4		50
2-Nitroaniline	88		83		47-134	6		50
3-Nitroaniline	65		63		26-129	3		50
4-Nitroaniline	74		63		41-125	16		50
Dibenzofuran	77		73		40-140	5		50
2-Methylnaphthalene	75		75		40-140	0		50
1,2,4,5-Tetrachlorobenzene	65		64		40-117	2		50
Acetophenone	81		80		14-144	1		50
n-Nitrosodimethylamine	64		66		22-100	3		50
2,4,6-Trichlorophenol	85		81		30-130	5		50
P-Chloro-M-Cresol	81		78		26-103	4		50
2-Chlorophenol	73		74		25-102	1		50
2,4-Dichlorophenol	82		82		30-130	0		50
2,4-Dimethylphenol	82		79		30-130	4		50
2-Nitrophenol	83		84		30-130	1		50
4-Nitrophenol	78		71		11-114	9		50
2,4-Dinitrophenol	68		77		4-130	12		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG902004-2 WG902004-3								
4,6-Dinitro-o-cresol	88		86		10-130	2		50
Pentachlorophenol	91		84		17-109	8		50
Phenol	75		74		26-90	1		50
2-Methylphenol	77		77		30-130	0		50
3-Methylphenol/4-Methylphenol	77		79		30-130	3		50
2,4,5-Trichlorophenol	83		82		30-130	1		50
Benzoic Acid	25		22		10-110	13		50
Benzyl Alcohol	76		78		40-140	3		50
Carbazole	78		71		54-128	9		50
Parathion, ethyl	107		104		40-140	3		50
Atrazine	82		78		40-140	5		50
Caprolactam	85		78		15-130	9		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		68		25-120
Phenol-d6	69		72		10-120
Nitrobenzene-d5	70		76		23-120
2-Fluorobiphenyl	70		72		30-120
2,4,6-Tribromophenol	70		69		10-136
4-Terphenyl-d14	69		66		18-120

PCBS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 14:37
Analyst: KB
Percent Solids: 89%

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	2.92	1	A
Aroclor 1221	ND		ug/kg	37.0	3.41	1	A
Aroclor 1232	ND		ug/kg	37.0	4.33	1	A
Aroclor 1242	ND		ug/kg	37.0	4.52	1	A
Aroclor 1248	ND		ug/kg	37.0	3.12	1	A
Aroclor 1254	ND		ug/kg	37.0	3.04	1	A
Aroclor 1260	5.62	J	ug/kg	37.0	2.82	1	B
Aroclor 1262	ND		ug/kg	37.0	1.83	1	A
Aroclor 1268	ND		ug/kg	37.0	5.36	1	A
PCBs, Total	5.62	J	ug/kg	37.0	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 14:54
Analyst: KB
Percent Solids: 88%

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.2	2.94	1	A
Aroclor 1221	ND		ug/kg	37.2	3.43	1	A
Aroclor 1232	ND		ug/kg	37.2	4.36	1	A
Aroclor 1242	ND		ug/kg	37.2	4.55	1	A
Aroclor 1248	ND		ug/kg	37.2	3.14	1	A
Aroclor 1254	ND		ug/kg	37.2	3.06	1	A
Aroclor 1260	7.39	J	ug/kg	37.2	2.83	1	B
Aroclor 1262	ND		ug/kg	37.2	1.84	1	A
Aroclor 1268	ND		ug/kg	37.2	5.39	1	A
PCBs, Total	7.39	J	ug/kg	37.2	1.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/10/16 15:11
Analyst: KE
Percent Solids: 96%

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/08/16 09:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.2	2.62	1	A
Aroclor 1221	ND		ug/kg	33.2	3.06	1	A
Aroclor 1232	ND		ug/kg	33.2	3.89	1	A
Aroclor 1242	ND		ug/kg	33.2	4.07	1	A
Aroclor 1248	ND		ug/kg	33.2	2.80	1	A
Aroclor 1254	ND		ug/kg	33.2	2.73	1	A
Aroclor 1260	ND		ug/kg	33.2	2.53	1	A
Aroclor 1262	ND		ug/kg	33.2	1.65	1	A
Aroclor 1268	ND		ug/kg	33.2	4.82	1	A
PCBs, Total	ND		ug/kg	33.2	1.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 15:10
Analyst: KB
Percent Solids: 79%

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.5	3.28	1	A
Aroclor 1221	ND		ug/kg	41.5	3.82	1	A
Aroclor 1232	ND		ug/kg	41.5	4.86	1	A
Aroclor 1242	ND		ug/kg	41.5	5.08	1	A
Aroclor 1248	ND		ug/kg	41.5	3.50	1	A
Aroclor 1254	ND		ug/kg	41.5	3.41	1	A
Aroclor 1260	52.4		ug/kg	41.5	3.16	1	B
Aroclor 1262	ND		ug/kg	41.5	2.06	1	A
Aroclor 1268	ND		ug/kg	41.5	6.02	1	A
PCBs, Total	52.4		ug/kg	41.5	2.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 15:26
Analyst: KB
Percent Solids: 91%

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	2.79	1	A
Aroclor 1221	ND		ug/kg	35.4	3.26	1	A
Aroclor 1232	ND		ug/kg	35.4	4.15	1	A
Aroclor 1242	ND		ug/kg	35.4	4.33	1	A
Aroclor 1248	ND		ug/kg	35.4	2.98	1	A
Aroclor 1254	ND		ug/kg	35.4	2.91	1	A
Aroclor 1260	ND		ug/kg	35.4	2.70	1	A
Aroclor 1262	ND		ug/kg	35.4	1.75	1	A
Aroclor 1268	ND		ug/kg	35.4	5.13	1	A
PCBs, Total	ND		ug/kg	35.4	1.75	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/10/16 17:00
Analyst: KE
Percent Solids: 96%

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/08/16 09:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.9	2.60	1	A
Aroclor 1221	ND		ug/kg	32.9	3.04	1	A
Aroclor 1232	ND		ug/kg	32.9	3.86	1	A
Aroclor 1242	ND		ug/kg	32.9	4.03	1	A
Aroclor 1248	ND		ug/kg	32.9	2.78	1	A
Aroclor 1254	ND		ug/kg	32.9	2.71	1	A
Aroclor 1260	ND		ug/kg	32.9	2.51	1	A
Aroclor 1262	ND		ug/kg	32.9	1.63	1	A
Aroclor 1268	ND		ug/kg	32.9	4.78	1	A
PCBs, Total	ND		ug/kg	32.9	1.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/10/16 17:04
Analyst: KB

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/07/16 13:19
Cleanup Method: EPA 3665A
Cleanup Date: 06/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/10/16 13:56
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 13:19
Cleanup Method: EPA 3665A
Cleanup Date: 06/07/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/07/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG901401-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/10/16 13:24
Analyst: KE

Extraction Method: EPA 3546
Extraction Date: 06/08/16 09:20
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,06 Batch: WG901708-1						
Aroclor 1016	ND		ug/kg	32.9	2.60	A
Aroclor 1221	ND		ug/kg	32.9	3.04	A
Aroclor 1232	ND		ug/kg	32.9	3.86	A
Aroclor 1242	ND		ug/kg	32.9	4.03	A
Aroclor 1248	ND		ug/kg	32.9	2.78	A
Aroclor 1254	ND		ug/kg	32.9	2.71	A
Aroclor 1260	ND		ug/kg	32.9	2.51	A
Aroclor 1262	ND		ug/kg	32.9	1.63	A
Aroclor 1268	ND		ug/kg	32.9	4.78	A
PCBs, Total	ND		ug/kg	32.9	1.63	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/16 13:32
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/11/16 08:53
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02,04-05 Batch: WG902986-1						
Aroclor 1016	ND		ug/kg	32.2	2.54	A
Aroclor 1221	ND		ug/kg	32.2	2.96	A
Aroclor 1232	ND		ug/kg	32.2	3.77	A
Aroclor 1242	ND		ug/kg	32.2	3.94	A
Aroclor 1248	ND		ug/kg	32.2	2.71	A
Aroclor 1254	ND		ug/kg	32.2	2.64	A
Aroclor 1260	ND		ug/kg	32.2	2.45	A
Aroclor 1262	ND		ug/kg	32.2	1.59	A
Aroclor 1268	ND		ug/kg	32.2	4.66	A
PCBs, Total	ND		ug/kg	32.2	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	105		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG901401-2 WG901401-3									
Aroclor 1016	70		76		40-140	8		50	A
Aroclor 1260	66		73		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		68		30-150	A
Decachlorobiphenyl	77		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		72		30-150	B
Decachlorobiphenyl	67		74		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,06 Batch: WG901708-2 WG901708-3									
Aroclor 1016	72		83		40-140	14		50	A
Aroclor 1260	71		83		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		72		30-150	A
Decachlorobiphenyl	62		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		71		30-150	B
Decachlorobiphenyl	86		108		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02,04-05 Batch: WG902986-2 WG902986-3									
Aroclor 1016	88		87		40-140	1		50	A
Aroclor 1260	83		82		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		86		30-150	A
Decachlorobiphenyl	92		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		94		30-150	B
Decachlorobiphenyl	106		102		30-150	B

PESTICIDES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 01:23
Analyst: AL
Percent Solids: 89%

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.650	1	A
Heptachlor	ND		ug/kg	0.858	0.384	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.751	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	ND		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	13.9	5.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 01:38
Analyst: AL
Percent Solids: 88%

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	3.26	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.13	1	A
cis-Chlordane	ND		ug/kg	2.17	0.606	1	A
trans-Chlordane	ND		ug/kg	2.17	0.574	1	A
Chlordane	ND		ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 01:53
Analyst: AL
Percent Solids: 96%

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.57	0.308	1	A
Lindane	ND		ug/kg	0.655	0.293	1	A
Alpha-BHC	ND		ug/kg	0.655	0.186	1	A
Beta-BHC	ND		ug/kg	1.57	0.596	1	A
Heptachlor	ND		ug/kg	0.786	0.352	1	A
Aldrin	ND		ug/kg	1.57	0.553	1	A
Heptachlor epoxide	ND		ug/kg	2.95	0.884	1	A
Endrin	ND		ug/kg	0.655	0.268	1	A
Endrin aldehyde	ND		ug/kg	1.96	0.688	1	A
Endrin ketone	ND		ug/kg	1.57	0.405	1	A
Dieldrin	ND		ug/kg	0.982	0.491	1	A
4,4'-DDE	ND		ug/kg	1.57	0.363	1	A
4,4'-DDD	ND		ug/kg	1.57	0.560	1	A
4,4'-DDT	ND		ug/kg	2.95	1.26	1	A
Endosulfan I	ND		ug/kg	1.57	0.371	1	A
Endosulfan II	ND		ug/kg	1.57	0.525	1	A
Endosulfan sulfate	ND		ug/kg	0.655	0.312	1	A
Methoxychlor	ND		ug/kg	2.95	0.917	1	A
Toxaphene	ND		ug/kg	29.5	8.25	1	A
cis-Chlordane	ND		ug/kg	1.96	0.547	1	A
trans-Chlordane	ND		ug/kg	1.96	0.519	1	A
Chlordane	ND		ug/kg	12.8	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	93		30-150	B
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 02:08
Analyst: AL
Percent Solids: 79%

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.94	0.380	1	A
Lindane	ND		ug/kg	0.808	0.361	1	A
Alpha-BHC	ND		ug/kg	0.808	0.230	1	A
Beta-BHC	ND		ug/kg	1.94	0.736	1	A
Heptachlor	ND		ug/kg	0.970	0.435	1	A
Aldrin	ND		ug/kg	1.94	0.683	1	A
Heptachlor epoxide	ND		ug/kg	3.64	1.09	1	A
Endrin	0.959	P	ug/kg	0.808	0.331	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.849	1	A
Endrin ketone	ND		ug/kg	1.94	0.500	1	A
Dieldrin	0.609	JPI	ug/kg	1.21	0.606	1	B
4,4'-DDE	1.75	J	ug/kg	1.94	0.449	1	A
4,4'-DDD	ND		ug/kg	1.94	0.692	1	A
4,4'-DDT	6.64	P	ug/kg	3.64	1.56	1	B
Endosulfan I	ND		ug/kg	1.94	0.458	1	A
Endosulfan II	ND		ug/kg	1.94	0.648	1	A
Endosulfan sulfate	ND		ug/kg	0.808	0.385	1	A
Methoxychlor	ND		ug/kg	3.64	1.13	1	A
Toxaphene	ND		ug/kg	36.4	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.676	1	A
trans-Chlordane	1.99	J	ug/kg	2.42	0.640	1	B
Chlordane	9.11	J	ug/kg	15.8	6.42	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 02:24
Analyst: AL
Percent Solids: 91%

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

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	ND		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	A
4,4'-DDE	ND		ug/kg	1.68	0.390	1	A
4,4'-DDD	ND		ug/kg	1.68	0.601	1	A
4,4'-DDT	ND		ug/kg	3.16	1.36	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	8.85	1	A
cis-Chlordane	ND		ug/kg	2.11	0.587	1	A
trans-Chlordane	ND		ug/kg	2.11	0.556	1	A
Chlordane	ND		ug/kg	13.7	5.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/11/16 02:40
Analyst: AL
Percent Solids: 96%

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

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	0.669	0.299	1	A
Alpha-BHC	ND		ug/kg	0.669	0.190	1	A
Beta-BHC	ND		ug/kg	1.60	0.609	1	A
Heptachlor	ND		ug/kg	0.803	0.360	1	A
Aldrin	ND		ug/kg	1.60	0.565	1	A
Heptachlor epoxide	ND		ug/kg	3.01	0.903	1	A
Endrin	ND		ug/kg	0.669	0.274	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.702	1	A
Endrin ketone	ND		ug/kg	1.60	0.414	1	A
Dieldrin	ND		ug/kg	1.00	0.502	1	A
4,4'-DDE	ND		ug/kg	1.60	0.371	1	A
4,4'-DDD	ND		ug/kg	1.60	0.573	1	A
4,4'-DDT	ND		ug/kg	3.01	1.29	1	A
Endosulfan I	ND		ug/kg	1.60	0.379	1	A
Endosulfan II	ND		ug/kg	1.60	0.537	1	A
Endosulfan sulfate	ND		ug/kg	0.669	0.318	1	A
Methoxychlor	ND		ug/kg	3.01	0.937	1	A
Toxaphene	ND		ug/kg	30.1	8.43	1	A
cis-Chlordane	ND		ug/kg	2.01	0.559	1	A
trans-Chlordane	ND		ug/kg	2.01	0.530	1	A
Chlordane	ND		ug/kg	13.0	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/11/16 01:18
Analyst: AL

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/07/16 13:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/16 00:39
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 13:19

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG901399-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/16 00:39
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/07/16 13:19

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG901399-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/16 23:00
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG901532-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/16 23:00
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/07/16 19:58
Cleanup Method: EPA 3620B
Cleanup Date: 06/08/16

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG901532-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	105		30-150	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG901399-2 WG901399-3									
Delta-BHC	85		83		30-150	3		20	A
Lindane	79		77		30-150	2		20	A
Alpha-BHC	83		81		30-150	2		20	A
Beta-BHC	83		80		30-150	4		20	A
Heptachlor	75		74		30-150	2		20	A
Aldrin	74		74		30-150	1		20	A
Heptachlor epoxide	87		84		30-150	3		20	A
Endrin	80		81		30-150	0		20	A
Endrin aldehyde	80		78		30-150	3		20	A
Endrin ketone	80		80		30-150	0		20	A
Dieldrin	81		79		30-150	3		20	A
4,4'-DDE	85		83		30-150	3		20	A
4,4'-DDD	80		77		30-150	4		20	A
4,4'-DDT	85		83		30-150	2		20	A
Endosulfan I	92		90		30-150	2		20	A
Endosulfan II	78		76		30-150	3		20	A
Endosulfan sulfate	78		77		30-150	1		20	A
Methoxychlor	94		94		30-150	0		20	A
cis-Chlordane	77		74		30-150	4		20	A
trans-Chlordane	78		76		30-150	3		20	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG901399-2 WG901399-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		70		30-150	A
Decachlorobiphenyl	74		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		71		30-150	B
Decachlorobiphenyl	93		91		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG901532-2 WG901532-3									
Delta-BHC	90		93		30-150	3		30	A
Lindane	84		86		30-150	2		30	A
Alpha-BHC	90		91		30-150	1		30	A
Beta-BHC	100		94		30-150	6		30	A
Heptachlor	99		99		30-150	0		30	A
Aldrin	86		83		30-150	4		30	A
Heptachlor epoxide	94		93		30-150	1		30	A
Endrin	86		83		30-150	4		30	A
Endrin aldehyde	51		52		30-150	2		30	A
Endrin ketone	66		70		30-150	6		30	A
Dieldrin	90		88		30-150	2		30	A
4,4'-DDE	88		86		30-150	2		30	A
4,4'-DDD	91		88		30-150	3		30	A
4,4'-DDT	100		96		30-150	4		30	A
Endosulfan I	94		91		30-150	3		30	A
Endosulfan II	90		90		30-150	0		30	A
Endosulfan sulfate	38		42		30-150	10		30	A
Methoxychlor	98		97		30-150	1		30	A
cis-Chlordane	78		73		30-150	7		30	A
trans-Chlordane	87		86		30-150	1		30	A

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG901532-2 WG901532-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		89		30-150	B
Decachlorobiphenyl	108		108		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		79		30-150	A
Decachlorobiphenyl	106		103		30-150	A

METALS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6100		mg/kg	8.7	1.7	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Arsenic, Total	5.9		mg/kg	0.87	0.29	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Barium, Total	260		mg/kg	0.87	0.23	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.43	0.10	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.87	0.06	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Calcium, Total	2500		mg/kg	8.7	2.4	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.87	0.15	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Cobalt, Total	3.6		mg/kg	1.7	0.42	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Copper, Total	11		mg/kg	0.87	0.16	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.3	1.4	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Lead, Total	220		mg/kg	4.3	0.19	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Magnesium, Total	1500		mg/kg	8.7	1.2	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Manganese, Total	220		mg/kg	0.87	0.21	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Mercury, Total	0.070	J	mg/kg	0.073	0.015	1	06/08/16 07:40	06/09/16 18:38	EPA 7471B	1,7471B	BV
Nickel, Total	8.0		mg/kg	2.2	0.35	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Potassium, Total	540		mg/kg	220	24.	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.23	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.87	0.17	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Sodium, Total	140	J	mg/kg	170	14.	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.28	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.87	0.08	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH
Zinc, Total	46		mg/kg	4.3	0.61	2	06/07/16 16:35	06/07/16 20:19	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 88%

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5700		mg/kg	8.7	1.7	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Arsenic, Total	5.0		mg/kg	0.87	0.28	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Barium, Total	59		mg/kg	0.87	0.23	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Beryllium, Total	0.22	J	mg/kg	0.43	0.10	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.87	0.06	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Calcium, Total	1400		mg/kg	8.7	2.4	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.87	0.15	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Cobalt, Total	3.8		mg/kg	1.7	0.42	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.87	0.16	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Iron, Total	9900		mg/kg	4.3	1.4	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Lead, Total	72		mg/kg	4.3	0.19	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Magnesium, Total	1400		mg/kg	8.7	1.2	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Manganese, Total	200		mg/kg	0.87	0.21	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	06/08/16 07:40	06/09/16 18:40	EPA 7471B	1,7471B	BV
Nickel, Total	8.5		mg/kg	2.2	0.35	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Potassium, Total	680		mg/kg	220	24.	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.23	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.87	0.17	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Sodium, Total	93	J	mg/kg	170	14.	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.28	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.87	0.08	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH
Zinc, Total	34		mg/kg	4.3	0.61	2	06/07/16 16:35	06/07/16 21:22	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 96%

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4200		mg/kg	8.2	1.6	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.1	0.66	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Arsenic, Total	3.0		mg/kg	0.82	0.27	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Barium, Total	47		mg/kg	0.82	0.22	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Beryllium, Total	0.14	J	mg/kg	0.41	0.09	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.82	0.06	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Calcium, Total	550		mg/kg	8.2	2.3	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Chromium, Total	16		mg/kg	0.82	0.14	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Cobalt, Total	4.1		mg/kg	1.6	0.40	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Copper, Total	7.3		mg/kg	0.82	0.15	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Iron, Total	8000		mg/kg	4.1	1.3	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	4.1	0.18	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Magnesium, Total	1900		mg/kg	8.2	1.1	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Manganese, Total	200		mg/kg	0.82	0.20	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.01	1	06/08/16 07:40	06/09/16 18:46	EPA 7471B	1,7471B	BV
Nickel, Total	21		mg/kg	2.1	0.33	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Potassium, Total	1500		mg/kg	210	23.	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.6	0.22	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.82	0.16	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Sodium, Total	31	J	mg/kg	160	14.	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.6	0.26	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.82	0.07	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	4.1	0.58	2	06/07/16 16:35	06/07/16 21:26	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 79%

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6400		mg/kg	9.8	1.9	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.9	0.78	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Arsenic, Total	7.6		mg/kg	0.98	0.32	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Barium, Total	78		mg/kg	0.98	0.26	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Beryllium, Total	0.23	J	mg/kg	0.49	0.11	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.98	0.07	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Calcium, Total	3100		mg/kg	9.8	2.7	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.98	0.17	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Cobalt, Total	5.8		mg/kg	2.0	0.48	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Copper, Total	31		mg/kg	0.98	0.18	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Iron, Total	14000		mg/kg	4.9	1.5	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Lead, Total	170		mg/kg	4.9	0.22	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Magnesium, Total	1800		mg/kg	9.8	1.3	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Manganese, Total	270		mg/kg	0.98	0.23	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Mercury, Total	0.12		mg/kg	0.08	0.02	1	06/08/16 07:40	06/09/16 18:47	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.4	0.39	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Potassium, Total	890		mg/kg	240	27.	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.0	0.26	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.98	0.20	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Sodium, Total	57	J	mg/kg	200	16.	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.0	0.31	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Vanadium, Total	25		mg/kg	0.98	0.09	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH
Zinc, Total	85		mg/kg	4.9	0.68	2	06/07/16 16:35	06/07/16 21:30	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4500		mg/kg	8.6	1.7	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Arsenic, Total	3.9		mg/kg	0.86	0.28	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Barium, Total	31		mg/kg	0.86	0.23	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Beryllium, Total	0.20	J	mg/kg	0.43	0.09	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Calcium, Total	630		mg/kg	8.6	2.4	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Chromium, Total	17		mg/kg	0.86	0.15	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Cobalt, Total	3.4		mg/kg	1.7	0.42	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Copper, Total	7.2		mg/kg	0.86	0.15	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Iron, Total	8600		mg/kg	4.3	1.4	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Lead, Total	3.1	J	mg/kg	4.3	0.19	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Magnesium, Total	1200		mg/kg	8.6	1.1	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.86	0.21	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/08/16 07:40	06/09/16 18:49	EPA 7471B	1,7471B	BV
Nickel, Total	7.6		mg/kg	2.1	0.34	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Potassium, Total	860		mg/kg	210	24.	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.23	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Sodium, Total	49	J	mg/kg	170	14.	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.27	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Vanadium, Total	17		mg/kg	0.86	0.08	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH
Zinc, Total	15		mg/kg	4.3	0.60	2	06/07/16 16:35	06/07/16 21:56	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 96%

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3100		mg/kg	7.9	1.6	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.0	0.63	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Arsenic, Total	2.3		mg/kg	0.79	0.26	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Barium, Total	26		mg/kg	0.79	0.21	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Beryllium, Total	0.12	J	mg/kg	0.40	0.09	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.79	0.06	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Calcium, Total	230		mg/kg	7.9	2.2	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Chromium, Total	7.6		mg/kg	0.79	0.13	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Cobalt, Total	2.5		mg/kg	1.6	0.39	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Copper, Total	5.1		mg/kg	0.79	0.14	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Iron, Total	6300		mg/kg	4.0	1.2	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Lead, Total	ND		mg/kg	4.0	0.17	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Magnesium, Total	1000		mg/kg	7.9	1.0	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Manganese, Total	170		mg/kg	0.79	0.19	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.07	0.01	1	06/08/16 07:40	06/09/16 18:51	EPA 7471B	1,7471B	BV
Nickel, Total	8.9		mg/kg	2.0	0.32	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Potassium, Total	700		mg/kg	200	22.	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.6	0.21	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.79	0.16	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Sodium, Total	43	J	mg/kg	160	13.	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.6	0.25	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Vanadium, Total	8.8		mg/kg	0.79	0.07	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH
Zinc, Total	10		mg/kg	4.0	0.56	2	06/07/16 16:35	06/07/16 22:00	EPA 3050B	1,6010C	JH



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-07
Client ID: FB060616
Sample Location: FLUSHING, NY
Matrix: Water

Date Collected: 06/06/16 14:45
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.10	0.020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Antimony, Total	ND		mg/l	0.0500	0.0080	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Arsenic, Total	0.0024	J	mg/l	0.0050	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Barium, Total	ND		mg/l	0.0100	0.0030	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Beryllium, Total	ND		mg/l	0.0050	0.0010	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Calcium, Total	ND		mg/l	0.10	0.030	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Chromium, Total	ND		mg/l	0.010	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Cobalt, Total	ND		mg/l	0.0200	0.0050	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Copper, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Iron, Total	0.028	J	mg/l	0.050	0.020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Lead, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Magnesium, Total	ND		mg/l	0.10	0.010	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Manganese, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Mercury, Total	0.00011	J	mg/l	0.00020	0.00006	1	06/07/16 11:54	06/10/16 13:31	EPA 7470A	1,7470A	BV
Nickel, Total	ND		mg/l	0.0250	0.0040	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Potassium, Total	ND		mg/l	2.5	0.40	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Selenium, Total	ND		mg/l	0.0100	0.0030	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Silver, Total	ND		mg/l	0.0070	0.0020	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Sodium, Total	ND		mg/l	2.0	0.30	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Thallium, Total	ND		mg/l	0.0200	0.0040	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS
Zinc, Total	0.0124	J	mg/l	0.0500	0.0070	1	06/08/16 09:20	06/08/16 16:13	EPA 3005A	1,6010C	PS



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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): 01-06 Batch: WG901375-1										
Aluminum, Total	ND		mg/kg	4.0	0.79	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.13	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.11	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.1	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.07	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.07	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.63	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.09	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.53	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.10	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Potassium, Total	ND		mg/kg	100	11.	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.11	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Sodium, Total	ND		mg/kg	80	6.7	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.13	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/07/16 16:35	06/07/16 20:06	1,6010C	JH

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): 07 Batch: WG901465-1										
Mercury, Total	0.00006	J	mg/l	0.00020	0.00006	1	06/07/16 11:54	06/10/16 13:18	1,7470A	BV



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis Batch Quality Control

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): 01-06 Batch: WG901617-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/08/16 07:40	06/09/16 18:12	1,7471B	BV

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): 07 Batch: WG901673-1										
Aluminum, Total	ND		mg/l	0.10	0.020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Antimony, Total	ND		mg/l	0.0500	0.0080	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Arsenic, Total	0.0030	J	mg/l	0.0050	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Barium, Total	ND		mg/l	0.0100	0.0030	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Beryllium, Total	ND		mg/l	0.0050	0.0010	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Cadmium, Total	ND		mg/l	0.0050	0.0007	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Calcium, Total	ND		mg/l	0.10	0.030	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Chromium, Total	ND		mg/l	0.010	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Cobalt, Total	ND		mg/l	0.0200	0.0050	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Copper, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Iron, Total	ND		mg/l	0.050	0.020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Lead, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Magnesium, Total	ND		mg/l	0.10	0.010	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Manganese, Total	ND		mg/l	0.0100	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Nickel, Total	ND		mg/l	0.0250	0.0040	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Potassium, Total	ND		mg/l	2.5	0.40	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Selenium, Total	ND		mg/l	0.0100	0.0030	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Silver, Total	ND		mg/l	0.0070	0.0020	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Sodium, Total	ND		mg/l	2.0	0.30	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Thallium, Total	ND		mg/l	0.0200	0.0040	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS
Vanadium, Total	ND		mg/l	0.0100	0.0010	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Method Blank Analysis Batch Quality Control

Zinc, Total	ND	mg/l	0.0500	0.0070	1	06/08/16 09:20	06/08/16 16:35	1,6010C	PS

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG901375-2 SRM Lot Number: D088-540								
Aluminum, Total	84		-		48-151	-		
Antimony, Total	196		-		1-208	-		
Arsenic, Total	114		-		79-121	-		
Barium, Total	99		-		83-117	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	104		-		83-117	-		
Calcium, Total	96		-		81-119	-		
Chromium, Total	110		-		80-120	-		
Cobalt, Total	102		-		84-115	-		
Copper, Total	106		-		81-118	-		
Iron, Total	103		-		45-155	-		
Lead, Total	94		-		81-117	-		
Magnesium, Total	91		-		76-124	-		
Manganese, Total	101		-		81-118	-		
Nickel, Total	106		-		83-117	-		
Potassium, Total	96		-		71-129	-		
Selenium, Total	102		-		78-122	-		
Silver, Total	108		-		75-124	-		
Sodium, Total	103		-		72-127	-		
Thallium, Total	105		-		80-120	-		
Vanadium, Total	107		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG901375-2 SRM Lot Number: D088-540					
Zinc, Total	106	-	82-118	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG901465-2					
Mercury, Total	121	Q	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG901617-2 SRM Lot Number: D088-540					
Mercury, Total	106	-	72-128	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG901673-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	101	-	80-120	-	
Arsenic, Total	112	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	95	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	86	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	99	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	105	-	80-120	-	
Sodium, Total	110	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	100	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG901673-2					
Zinc, Total	101	-	80-120	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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): 01-06			QC Batch ID: WG901375-4			QC Sample: L1617080-01			Client ID: RXSB-4/0-2			
Aluminum, Total	6100	172	6600	291	Q	-	-		75-125	-		20
Antimony, Total	ND	42.9	25	58	Q	-	-		75-125	-		20
Arsenic, Total	5.9	10.3	13	69	Q	-	-		75-125	-		20
Barium, Total	260	172	250	0	Q	-	-		75-125	-		20
Beryllium, Total	0.23J	4.29	2.9	68	Q	-	-		75-125	-		20
Cadmium, Total	ND	4.38	2.5	57	Q	-	-		75-125	-		20
Calcium, Total	2500	859	2200	0	Q	-	-		75-125	-		20
Chromium, Total	13.	17.2	24	64	Q	-	-		75-125	-		20
Cobalt, Total	3.6	42.9	28	57	Q	-	-		75-125	-		20
Copper, Total	11.	21.5	28	79		-	-		75-125	-		20
Iron, Total	10000	85.9	13000	3490	Q	-	-		75-125	-		20
Lead, Total	220	43.8	140	0	Q	-	-		75-125	-		20
Magnesium, Total	1500	859	1900	46	Q	-	-		75-125	-		20
Manganese, Total	220	42.9	250	70	Q	-	-		75-125	-		20
Nickel, Total	8.0	42.9	34	60	Q	-	-		75-125	-		20
Potassium, Total	540	859	1200	77		-	-		75-125	-		20
Selenium, Total	ND	10.3	6.1	59	Q	-	-		75-125	-		20
Silver, Total	ND	25.8	16	62	Q	-	-		75-125	-		20
Sodium, Total	140J	859	660	77		-	-		75-125	-		20
Thallium, Total	ND	10.3	5.5	53	Q	-	-		75-125	-		20
Vanadium, Total	17.	42.9	46	68	Q	-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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): 01-06 QC Batch ID: WG901375-4 QC Sample: L1617080-01 Client ID: RXSB-4/0-2									
Zinc, Total	46.	42.9	75	68	Q	-	-	75-125	- 20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG901465-3 WG901465-4 QC Sample: L1600006-35 Client ID: MS Sample									
Mercury, Total	0.00014J	0.005	0.00291	58	Q	0.00300	60	Q 75-125	3 20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG901617-4 QC Sample: L1617118-01 Client ID: MS Sample									
Mercury, Total	0.02J	0.146	0.19	130	Q	-	-	80-120	- 20

Matrix Spike Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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): 07 QC Batch ID: WG901673-4 QC Sample: L1617124-04 Client ID: MS Sample									
Aluminum, Total	ND	2	1.9	95	-	-	75-125	-	20
Antimony, Total	0.010J	0.5	0.365	73	Q	-	75-125	-	20
Arsenic, Total	0.004J	0.12	0.138	115	-	-	75-125	-	20
Barium, Total	0.052	2	1.98	96	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0478	96	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.0538	105	-	-	75-125	-	20
Calcium, Total	56.	10	65	90	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.19	95	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.463	93	-	-	75-125	-	20
Copper, Total	ND	0.25	0.248	99	-	-	75-125	-	20
Iron, Total	0.15	1	0.98	83	-	-	75-125	-	20
Lead, Total	ND	0.51	0.531	104	-	-	75-125	-	20
Magnesium, Total	41.	10	51	100	-	-	75-125	-	20
Manganese, Total	0.184	0.5	0.666	96	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.480	96	-	-	75-125	-	20
Potassium, Total	4.7	10	15	103	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.126	105	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0523	105	-	-	75-125	-	20
Sodium, Total	58.	10	68	100	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.499	100	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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): 07 QC Batch ID: WG901673-4 QC Sample: L1617124-04 Client ID: MS Sample									
Zinc, Total	0.016J	0.5	0.512	102	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG901375-3 QC Sample: L1617080-01 Client ID: RXSB-4/0-2						
Aluminum, Total	6100	5900	mg/kg	3		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	5.9	5.3	mg/kg	11		20
Barium, Total	260	61	mg/kg	124	Q	20
Beryllium, Total	0.23J	0.23J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	2500	1700	mg/kg	38	Q	20
Chromium, Total	13.	13	mg/kg	0		20
Cobalt, Total	3.6	3.9	mg/kg	8		20
Copper, Total	11.	13	mg/kg	17		20
Iron, Total	10000	10000	mg/kg	0		20
Lead, Total	220	86	mg/kg	88	Q	20
Magnesium, Total	1500	1500	mg/kg	0		20
Manganese, Total	220	220	mg/kg	0		20
Nickel, Total	8.0	9.0	mg/kg	12		20
Potassium, Total	540	690	mg/kg	24	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	140J	100J	mg/kg	NC		20

Project Name: AAFE
Project Number: 2741.0001Y

Lab Duplicate Analysis

Batch Quality Control

Lab Number: L1617080
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG901375-3 QC Sample: L1617080-01 Client ID: RXSB-4/0-2					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	17.	17	mg/kg	0	20
Zinc, Total	46.	44	mg/kg	4	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG901617-3 QC Sample: L1617118-01 Client ID: DUP Sample					
Mercury, Total	0.02J	0.02J	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG901673-3 QC Sample: L1617124-04 Client ID: DUP Sample					
Calcium, Total	56.	54	mg/l	4	20
Magnesium, Total	41.	40	mg/l	2	20

INORGANICS & MISCELLANEOUS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-01
Client ID: RXSB-4/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 10:40
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	06/07/16 11:37	121,2540G	RI



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-02
Client ID: DUP 060616
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 11:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	06/07/16 11:37	121,2540G	RI



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-03
Client ID: RXSB-4/22-24
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 13:30
Date Received: 06/06/16
Field Prep: Not Specified

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	-	06/07/16 11:37	121,2540G	RI



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-04
Client ID: RXSB-5/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 14:50
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.6		%	0.100	NA	1	-	06/07/16 11:37	121,2540G	RI



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-05
Client ID: RXSB-1/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 16:00
Date Received: 06/06/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	06/07/16 11:37	121,2540G	RI



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617080-06
Client ID: RXSB-5/22-24
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/06/16 16:30
Date Received: 06/06/16
Field Prep: Not Specified

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	-	06/07/16 11:37	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG901322-1 QC Sample: L1617073-01 Client ID: DUP Sample						
Solids, Total	94.9	95.0	%	0		20

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 07-JUN-16 08:40

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617080-01A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-01B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-01C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-01D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-01E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-01F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617080-01X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-01Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-01Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-02A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-02B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-02C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-02D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-02E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-02F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617080-02X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-02Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-02Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-03A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-03B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-03C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-03D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-03E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-03F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617080-03X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-03Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-03Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-04A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-04B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-04C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-04D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-04E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-04F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617080-04X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-04Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-04Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-05A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-05B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-05C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617080-05D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-05E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-05F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617080-05X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-05Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-05Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-06A	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-06B	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-06C	5 gram Encore Sampler	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(2)
L1617080-06D	Plastic 2oz unpreserved for TS	A	N/A	2.6	Y	Absent	TS(7)
L1617080-06E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617080-06F	Glass 250ml/8oz unpreserved	A	N/A	2.6	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617080-06X	Vial MeOH preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-06Y	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-06Z	Vial Water preserved split	A	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1617080-07A	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1617080-07B	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1617080-07C	Vial HCl preserved	A	N/A	2.6	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617080-07D	Plastic 250ml HNO3 preserved	A	<2	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)
L1617080-07E	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1617080-07F	Amber 500ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8081(7)
L1617080-07G	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8270(7)
L1617080-07H	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8270(7)
L1617080-07I	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1617080-07J	Amber 1000ml unpreserved	A	7	2.6	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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).
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.
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

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.

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.

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

Report Format: DU Report with 'J' Qualifiers



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

Data Qualifiers

- 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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617080
Report Date: 06/13/16

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 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

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

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

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

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

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

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

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

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, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: 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.

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

Non-Potable Water

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

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

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, 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, SM9222D-MF.**

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 <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/6/16</u>		ALPHA Job # <u>17080</u>									
		Project Information Project Name: <u>AAFE</u> Project Location: <u>Flushing, NY</u> Project # <u>2741.0001Y</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>Roux Associates Inc</u> Address: <u>29 Shaffer Street</u> <u>Islandia, NY 11749</u> Phone: <u>631-232-2600</u> Fax: <u>631-232-9898</u> Email: <u>mroux@rouxinc.com</u>		Project Manager: <u>Mike Roux</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of 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:						ANALYSIS TEL VOC 82600 NY TEL SVOC 82700 TEL PAH 701 TEL PCBs 802 TEL Metals 714 TS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)									
Please specify Metals or TAL.						Sample Specific Comments		Total Bottles									
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials	TEL VOC 82600	NY TEL SVOC 82700	TEL PAH 701	TEL PCBs 802	TEL Metals 714	TS						
17080-01	RXSB-4/10-2	6/6/16	1040	Soil	RL/MD	X	X	X	X	X	X						6
02	DUP 060616	6/6/16	1100	Soil	RL/MD	X	X	X	X	X	X						6
03	RXSB-4/22-24	6/6/16	1330	Soil	RL/MD	X	X	X	X	X	X						6
04	RXSB-5/10-2	6/6/16	1450	Soil	RL/MD	X	X	X	X	X	X						6
05	RXSB-1/10-2	6/6/16	1600	Soil	RL/MD	X	X	X	X	X	X						6
06	RXSB-5/22-24	6/6/16	1630	Soil	RL/MD	X	X	X	X	X	X						6
07	FB060616	6/10/16	1445	FB	RL/MD	X	X	X	X	X	X						10
			1645														
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 Preservative		E A A A A P A H A A A A		Relinquished By: <u>[Signature]</u> Date/Time: <u>6/6/16 16:50</u>		Received By: <u>[Signature]</u> Date/Time: <u>6/6/16 16:50</u>		Date/Time: <u>6/6/16 16:50</u>		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.)	

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 <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/6/16</u>		ALPHA Job # <u>17080</u>																																																																																																													
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ANALYTICAL REPORT

Lab Number:	L1617259
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Michael Roux
Phone:	(631) 232-2600
Project Name:	AAFE
Project Number:	2741.0001Y
Report Date:	06/13/16

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1617259-01	RXSB-2/22-24	SOIL	FLUSHING, NY	06/07/16 13:30	06/07/16
L1617259-02	RXSB-8/0-2	SOIL	FLUSHING, NY	06/07/16 11:20	06/07/16
L1617259-03	RXSB-1/22-24	SOIL	FLUSHING, NY	06/07/16 10:50	06/07/16
L1617259-04	RXSB-6/0-2	SOIL	FLUSHING, NY	06/07/16 10:05	06/07/16
L1617259-05	RXSB-2/5-7	SOIL	FLUSHING, NY	06/07/16 13:00	06/07/16
L1617259-06	RXSB-3/0-2	SOIL	FLUSHING, NY	06/07/16 13:05	06/07/16
L1617259-07	RXSB-7/0-2	SOIL	FLUSHING, NY	06/07/16 10:35	06/07/16
L1617259-08	RXSB-2/0-2	SOIL	FLUSHING, NY	06/07/16 11:55	06/07/16
L1617259-09	RXSB-3/22-24	SOIL	FLUSHING, NY	06/07/16 15:20	06/07/16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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.

Sample Receipt

The project number was specified by the client.

Semivolatile Organics

L1617259-03, -06, and -08: The sample has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1617259-01 through -09: 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.

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: 06/13/16

ORGANICS

VOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 11:20
Analyst: BN
Percent Solids: 87%

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.4	0.29	1
1,2-Dichloropropane	ND		ug/kg	4.8	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.42	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.48	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.24	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.19	1
Bromoform	ND		ug/kg	5.5	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	4.8		ug/kg	2.0	0.27	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.8	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.36	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.12	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.23	1
Xylenes, Total	ND		ug/kg	2.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.20	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.55	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	21		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	1.6	J	ug/kg	14	0.37	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.91	1
Bromochloromethane	ND		ug/kg	6.8	0.38	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.31	1
1,2-Dibromoethane	ND		ug/kg	5.5	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.17	1
tert-Butylbenzene	ND		ug/kg	6.8	0.18	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.70	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.25	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.20	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.19	1
1,4-Dioxane	ND		ug/kg	140	20.	1
p-Diethylbenzene	ND		ug/kg	5.5	0.22	1
p-Ethyltoluene	ND		ug/kg	5.5	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.5	0.18	1
Ethyl ether	ND		ug/kg	6.8	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.54	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 11:46
Analyst: BN
Percent Solids: 93%

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	0.99	J	ug/kg	1.4	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	1.6		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.52	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.19	1
Bromoform	ND		ug/kg	5.4	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	1.0	J	ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.8	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	9.8		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.11	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.23	1
Xylenes, Total	ND		ug/kg	2.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.54	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	26		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	2.1	J	ug/kg	14	0.37	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.90	1
Bromochloromethane	ND		ug/kg	6.8	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.16	1
tert-Butylbenzene	ND		ug/kg	6.8	0.18	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.54	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.69	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.19	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.19	1
1,4-Dioxane	ND		ug/kg	140	19.	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	1
Ethyl ether	ND		ug/kg	6.8	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.8	0.53	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 12:13
Analyst: BN
Percent Solids: 94%

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	2.2		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	0.89	J	ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	7.0	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	1.3	J	ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	10	0.54	1
n-Propylbenzene	ND		ug/kg	1.0	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	ND		ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 12:39
Analyst: BN
Percent Solids: 89%

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.11	1
Chloroform	ND		ug/kg	2.0	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.5	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.5	0.18	1
Bromoform	ND		ug/kg	5.2	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	4.9		ug/kg	2.0	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.5	0.38	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.5	0.20	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.5	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.26	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylenes, Total	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.25	1
Acetone	37		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	4.7	J	ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.87	1
Bromochloromethane	ND		ug/kg	6.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.5	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.5	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.5	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.5	0.18	1
o-Chlorotoluene	ND		ug/kg	6.5	0.21	1
p-Chlorotoluene	ND		ug/kg	6.5	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.5	0.52	1
Hexachlorobutadiene	ND		ug/kg	6.5	0.30	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.5	0.18	1
Acrylonitrile	ND		ug/kg	13	0.67	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.5	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.5	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.5	0.19	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.5	0.18	1
1,4-Dioxane	ND		ug/kg	130	19.	1
p-Diethylbenzene	ND		ug/kg	5.2	0.21	1
p-Ethyltoluene	ND		ug/kg	5.2	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.5	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	0.51	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	87		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 13:05
Analyst: BN
Percent Solids: 87%

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.44	1
Carbon tetrachloride	ND		ug/kg	1.2	0.25	1
1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.36	1
Tetrachloroethene	ND		ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.42	1
Trichlorofluoromethane	ND		ug/kg	6.0	0.46	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.0	0.17	1
Bromoform	ND		ug/kg	4.8	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	2.9		ug/kg	1.8	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	6.0	0.35	1
Bromomethane	ND		ug/kg	2.4	0.40	1
Vinyl chloride	ND		ug/kg	2.4	0.14	1
Chloroethane	ND		ug/kg	2.4	0.38	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.25	1
Trichloroethene	2.5		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.0	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	6.0	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.10	1
p/m-Xylene	ND		ug/kg	2.4	0.24	1
o-Xylene	ND		ug/kg	2.4	0.20	1
Xylenes, Total	ND		ug/kg	2.4	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.23	1
Acetone	3.6	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.33	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.80	1
Bromochloromethane	ND		ug/kg	6.0	0.33	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.27	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.21	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.25	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.0	0.16	1
o-Chlorotoluene	ND		ug/kg	6.0	0.19	1
p-Chlorotoluene	ND		ug/kg	6.0	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.27	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.0	0.16	1
Acrylonitrile	ND		ug/kg	12	0.62	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.0	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.0	0.17	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.8	0.19	1
p-Ethyltoluene	ND		ug/kg	4.8	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.8	0.16	1
Ethyl ether	ND		ug/kg	6.0	0.31	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	0.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
 Client ID: RXSB-3/0-2
 Sample Location: FLUSHING, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/11/16 13:32
 Analyst: BN
 Percent Solids: 91%

Date Collected: 06/07/16 13:05
 Date Received: 06/07/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.40	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.8	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.42	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	2.6		ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	0.62	J	ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	2.6	J	ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.73	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.43	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.56	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	ND		ug/kg	5.5	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 13:58
Analyst: BN
Percent Solids: 95%

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.48	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	3.5		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.45	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.2	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	3.8		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.44	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.41	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.34	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	0.23	J	ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylenes, Total	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.52	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	13		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	1.2	J	ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.86	1
Bromochloromethane	ND		ug/kg	6.4	0.36	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.2	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.27	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
p-Diethylbenzene	ND		ug/kg	5.2	0.20	1
p-Ethyltoluene	ND		ug/kg	5.2	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.2	0.17	1
Ethyl ether	ND		ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
 Client ID: RXSB-2/0-2
 Sample Location: FLUSHING, NY
 Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 06/12/16 17:20
 Analyst: MV
 Percent Solids: 92%

Date Collected: 06/07/16 11:55
 Date Received: 06/07/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	3800	420	4
1,1-Dichloroethane	ND		ug/kg	570	32.	4
Chloroform	ND		ug/kg	570	140	4
Carbon tetrachloride	ND		ug/kg	380	80.	4
1,2-Dichloropropane	ND		ug/kg	1300	86.	4
Dibromochloromethane	ND		ug/kg	380	58.	4
1,1,2-Trichloroethane	ND		ug/kg	570	120	4
Tetrachloroethene	470		ug/kg	380	53.	4
Chlorobenzene	ND		ug/kg	380	130	4
Trichlorofluoromethane	ND		ug/kg	1900	150	4
1,2-Dichloroethane	ND		ug/kg	380	43.	4
1,1,1-Trichloroethane	ND		ug/kg	380	42.	4
Bromodichloromethane	ND		ug/kg	380	66.	4
trans-1,3-Dichloropropene	ND		ug/kg	380	46.	4
cis-1,3-Dichloropropene	ND		ug/kg	380	45.	4
1,3-Dichloropropene, Total	ND		ug/kg	380	45.	4
1,1-Dichloropropene	ND		ug/kg	1900	54.	4
Bromoform	ND		ug/kg	1500	90.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	380	38.	4
Benzene	ND		ug/kg	380	45.	4
Toluene	ND		ug/kg	570	74.	4
Ethylbenzene	ND		ug/kg	380	48.	4
Chloromethane	ND		ug/kg	1900	110	4
Bromomethane	ND		ug/kg	760	130	4
Vinyl chloride	ND		ug/kg	760	44.	4
Chloroethane	ND		ug/kg	760	120	4
1,1-Dichloroethene	ND		ug/kg	380	99.	4
trans-1,2-Dichloroethene	ND		ug/kg	570	80.	4
Trichloroethene	78000		ug/kg	380	47.	4
1,2-Dichlorobenzene	ND		ug/kg	1900	58.	4

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1900	51.	4
1,4-Dichlorobenzene	ND		ug/kg	1900	52.	4
Methyl tert butyl ether	ND		ug/kg	760	32.	4
p/m-Xylene	ND		ug/kg	760	75.	4
o-Xylene	ND		ug/kg	760	65.	4
Xylenes, Total	ND		ug/kg	760	65.	4
cis-1,2-Dichloroethene	80	J	ug/kg	380	54.	4
1,2-Dichloroethene, Total	ND		ug/kg	380	54.	4
Dibromomethane	ND		ug/kg	3800	62.	4
Styrene	ND		ug/kg	760	150	4
Dichlorodifluoromethane	ND		ug/kg	3800	72.	4
Acetone	ND		ug/kg	3800	390	4
Carbon disulfide	ND		ug/kg	3800	420	4
2-Butanone	ND		ug/kg	3800	100	4
Vinyl acetate	ND		ug/kg	3800	50.	4
4-Methyl-2-pentanone	ND		ug/kg	3800	93.	4
1,2,3-Trichloropropane	ND		ug/kg	3800	62.	4
2-Hexanone	ND		ug/kg	3800	250	4
Bromochloromethane	ND		ug/kg	1900	100	4
2,2-Dichloropropane	ND		ug/kg	1900	86.	4
1,2-Dibromoethane	ND		ug/kg	1500	66.	4
1,3-Dichloropropane	ND		ug/kg	1900	55.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	380	120	4
Bromobenzene	ND		ug/kg	1900	79.	4
n-Butylbenzene	ND		ug/kg	380	44.	4
sec-Butylbenzene	ND		ug/kg	380	46.	4
tert-Butylbenzene	ND		ug/kg	1900	51.	4
o-Chlorotoluene	ND		ug/kg	1900	61.	4
p-Chlorotoluene	ND		ug/kg	1900	50.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	1900	150	4
Hexachlorobutadiene	ND		ug/kg	1900	86.	4
Isopropylbenzene	ND		ug/kg	380	39.	4
p-Isopropyltoluene	ND		ug/kg	380	47.	4
Naphthalene	ND		ug/kg	1900	52.	4
Acrylonitrile	ND		ug/kg	3800	200	4
n-Propylbenzene	ND		ug/kg	380	41.	4
1,2,3-Trichlorobenzene	ND		ug/kg	1900	56.	4
1,2,4-Trichlorobenzene	ND		ug/kg	1900	69.	4
1,3,5-Trimethylbenzene	ND		ug/kg	1900	54.	4

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	1900	54.	4
1,4-Dioxane	ND		ug/kg	38000	5500	4
p-Diethylbenzene	ND		ug/kg	1500	61.	4
p-Ethyltoluene	ND		ug/kg	1500	47.	4
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1500	49.	4
Ethyl ether	ND		ug/kg	1900	99.	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1900	150	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/11/16 14:25
Analyst: BN
Percent Solids: 94%

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.3	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	ND		ug/kg	1.7	0.43	1
Carbon tetrachloride	ND		ug/kg	1.2	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.1	0.26	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.35	1
Tetrachloroethene	ND		ug/kg	1.2	0.16	1
Chlorobenzene	ND		ug/kg	1.2	0.40	1
Trichlorofluoromethane	ND		ug/kg	5.8	0.45	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.13	1
Bromodichloromethane	ND		ug/kg	1.2	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	5.8	0.16	1
Bromoform	ND		ug/kg	4.6	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	4.7		ug/kg	1.7	0.23	1
Ethylbenzene	ND		ug/kg	1.2	0.15	1
Chloromethane	ND		ug/kg	5.8	0.34	1
Bromomethane	ND		ug/kg	2.3	0.39	1
Vinyl chloride	ND		ug/kg	2.3	0.14	1
Chloroethane	ND		ug/kg	2.3	0.37	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.25	1
Trichloroethene	ND		ug/kg	1.2	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.8	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	5.8	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	ND		ug/kg	2.3	0.23	1
o-Xylene	ND		ug/kg	2.3	0.20	1
Xylenes, Total	ND		ug/kg	2.3	0.20	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	12	0.19	1
Styrene	ND		ug/kg	2.3	0.47	1
Dichlorodifluoromethane	ND		ug/kg	12	0.22	1
Acetone	8.3	J	ug/kg	12	1.2	1
Carbon disulfide	ND		ug/kg	12	1.3	1
2-Butanone	ND		ug/kg	12	0.32	1
Vinyl acetate	ND		ug/kg	12	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.19	1
2-Hexanone	ND		ug/kg	12	0.77	1
Bromochloromethane	ND		ug/kg	5.8	0.32	1
2,2-Dichloropropane	ND		ug/kg	5.8	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.6	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.8	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.37	1
Bromobenzene	ND		ug/kg	5.8	0.24	1
n-Butylbenzene	ND		ug/kg	1.2	0.13	1
sec-Butylbenzene	ND		ug/kg	1.2	0.14	1
tert-Butylbenzene	ND		ug/kg	5.8	0.16	1
o-Chlorotoluene	ND		ug/kg	5.8	0.18	1
p-Chlorotoluene	ND		ug/kg	5.8	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.8	0.46	1
Hexachlorobutadiene	ND		ug/kg	5.8	0.26	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.8	0.16	1
Acrylonitrile	ND		ug/kg	12	0.60	1
n-Propylbenzene	ND		ug/kg	1.2	0.13	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.8	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.8	0.21	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.8	0.17	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.8	0.16	1
1,4-Dioxane	ND		ug/kg	120	17.	1
p-Diethylbenzene	ND		ug/kg	4.6	0.18	1
p-Ethyltoluene	ND		ug/kg	4.6	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.6	0.15	1
Ethyl ether	ND		ug/kg	5.8	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	0.46	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/16 09:08
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG903126-5					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	0.43	J	ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/16 09:08
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG903126-5					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/11/16 09:08
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-07,09 Batch: WG903126-5					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG903263-5					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	46	J	ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG903263-5					
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylenes, Total	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene, Total	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 08 Batch: WG903263-5					
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
1,4-Dioxane	ND		ug/kg	5000	720
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG903126-3 WG903126-4								
Methylene chloride	98		100		70-130	2		30
1,1-Dichloroethane	105		107		70-130	2		30
Chloroform	101		103		70-130	2		30
Carbon tetrachloride	81		87		70-130	7		30
1,2-Dichloropropane	102		105		70-130	3		30
Dibromochloromethane	73		81		70-130	10		30
2-Chloroethylvinyl ether	99		98		70-130	1		30
1,1,2-Trichloroethane	99		101		70-130	2		30
Tetrachloroethene	106		107		70-130	1		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	114		114		70-139	0		30
1,2-Dichloroethane	100		103		70-130	3		30
1,1,1-Trichloroethane	98		102		70-130	4		30
Bromodichloromethane	87		92		70-130	6		30
trans-1,3-Dichloropropene	93		98		70-130	5		30
cis-1,3-Dichloropropene	94		98		70-130	4		30
1,1-Dichloropropene	106		108		70-130	2		30
Bromoform	61	Q	69	Q	70-130	12		30
1,1,2,2-Tetrachloroethane	94		99		70-130	5		30
Benzene	102		104		70-130	2		30
Toluene	104		105		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG903126-3 WG903126-4								
Ethylbenzene	104		106		70-130	2		30
Chloromethane	110		111		52-130	1		30
Bromomethane	108		107		57-147	1		30
Vinyl chloride	110		111		67-130	1		30
Chloroethane	113		112		50-151	1		30
1,1-Dichloroethene	105		106		65-135	1		30
trans-1,2-Dichloroethene	102		105		70-130	3		30
Trichloroethene	104		105		70-130	1		30
1,2-Dichlorobenzene	100		102		70-130	2		30
1,3-Dichlorobenzene	100		104		70-130	4		30
1,4-Dichlorobenzene	100		103		70-130	3		30
Methyl tert butyl ether	99		101		66-130	2		30
p/m-Xylene	104		106		70-130	2		30
o-Xylene	103		106		70-130	3		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	98		99		70-130	1		30
Styrene	103		106		70-130	3		30
Dichlorodifluoromethane	103		104		30-146	1		30
Acetone	113		115		54-140	2		30
Carbon disulfide	99		102		59-130	3		30
2-Butanone	102		104		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG903126-3 WG903126-4								
Vinyl acetate	87		94		70-130	8		30
4-Methyl-2-pentanone	97		103		70-130	6		30
1,2,3-Trichloropropane	98		101		68-130	3		30
2-Hexanone	100		106		70-130	6		30
Bromochloromethane	100		101		70-130	1		30
2,2-Dichloropropane	101		104		70-130	3		30
1,2-Dibromoethane	96		100		70-130	4		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	81		88		70-130	8		30
Bromobenzene	98		102		70-130	4		30
n-Butylbenzene	110		113		70-130	3		30
sec-Butylbenzene	107		111		70-130	4		30
tert-Butylbenzene	105		108		70-130	3		30
o-Chlorotoluene	106		110		70-130	4		30
p-Chlorotoluene	103		106		70-130	3		30
1,2-Dibromo-3-chloropropane	72		80		68-130	11		30
Hexachlorobutadiene	103		106		67-130	3		30
Isopropylbenzene	106		110		70-130	4		30
p-Isopropyltoluene	107		110		70-130	3		30
Naphthalene	94		98		70-130	4		30
Acrylonitrile	104		106		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG903126-3 WG903126-4								
Isopropyl Ether	107		109		66-130	2		30
tert-Butyl Alcohol	53	Q	64	Q	70-130	19		30
n-Propylbenzene	107		112		70-130	5		30
1,2,3-Trichlorobenzene	98		102		70-130	4		30
1,2,4-Trichlorobenzene	101		104		70-130	3		30
1,3,5-Trimethylbenzene	105		108		70-130	3		30
1,2,4-Trimethylbenzene	104		108		70-130	4		30
Methyl Acetate	97		101		51-146	4		30
Ethyl Acetate	95		99		70-130	4		30
Acrolein	101		106		70-130	5		30
Cyclohexane	110		112		59-142	2		30
1,4-Dioxane	91		94		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	105		107		50-139	2		30
p-Diethylbenzene	107		110		70-130	3		30
p-Ethyltoluene	106		110		70-130	4		30
1,2,4,5-Tetramethylbenzene	104		107		70-130	3		30
Tetrahydrofuran	103		105		66-130	2		30
Ethyl ether	92		95		67-130	3		30
trans-1,4-Dichloro-2-butene	88		96		70-130	9		30
Methyl cyclohexane	105		108		70-130	3		30
Ethyl-Tert-Butyl-Ether	101		104		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-07,09 Batch: WG903126-3 WG903126-4								
Tertiary-Amyl Methyl Ether	98		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		102		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG903263-3 WG903263-4								
Methylene chloride	100		104		70-130	4		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	111		112		70-130	1		30
Carbon tetrachloride	116		114		70-130	2		30
1,2-Dichloropropane	95		96		70-130	1		30
Dibromochloromethane	106		109		70-130	3		30
1,1,2-Trichloroethane	115		117		70-130	2		30
Tetrachloroethene	104		104		70-130	0		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	196	Q	200	Q	70-139	2		30
1,2-Dichloroethane	112		113		70-130	1		30
1,1,1-Trichloroethane	117		115		70-130	2		30
Bromodichloromethane	110		111		70-130	1		30
trans-1,3-Dichloropropene	109		112		70-130	3		30
cis-1,3-Dichloropropene	101		103		70-130	2		30
1,1-Dichloropropene	110		110		70-130	0		30
Bromoform	108		112		70-130	4		30
1,1,2,2-Tetrachloroethane	113		116		70-130	3		30
Benzene	102		101		70-130	1		30
Toluene	108		109		70-130	1		30
Ethylbenzene	116		115		70-130	1		30

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG903263-3 WG903263-4								
Chloromethane	71		71		52-130	0		30
Bromomethane	152	Q	149	Q	57-147	2		30
Vinyl chloride	110		112		67-130	2		30
Chloroethane	181	Q	187	Q	50-151	3		30
1,1-Dichloroethene	127		133		65-135	5		30
trans-1,2-Dichloroethene	103		104		70-130	1		30
Trichloroethene	109		110		70-130	1		30
1,2-Dichlorobenzene	101		104		70-130	3		30
1,3-Dichlorobenzene	103		106		70-130	3		30
1,4-Dichlorobenzene	103		106		70-130	3		30
Methyl tert butyl ether	96		99		66-130	3		30
p/m-Xylene	109		109		70-130	0		30
o-Xylene	108		109		70-130	1		30
cis-1,2-Dichloroethene	102		105		70-130	3		30
Dibromomethane	114		117		70-130	3		30
Styrene	112		113		70-130	1		30
Dichlorodifluoromethane	82		81		30-146	1		30
Acetone	111		113		54-140	2		30
Carbon disulfide	118		123		59-130	4		30
2-Butanone	93		89		70-130	4		30
Vinyl acetate	88		89		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG903263-3 WG903263-4								
4-Methyl-2-pentanone	96		98		70-130	2		30
1,2,3-Trichloropropane	116		119		68-130	3		30
2-Hexanone	97		100		70-130	3		30
Bromochloromethane	105		105		70-130	0		30
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	108		111		70-130	3		30
1,3-Dichloropropane	110		112		69-130	2		30
1,1,1,2-Tetrachloroethane	107		109		70-130	2		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	126		126		70-130	0		30
sec-Butylbenzene	111		114		70-130	3		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	107		112		70-130	5		30
p-Chlorotoluene	108		113		70-130	5		30
1,2-Dibromo-3-chloropropane	92		98		68-130	6		30
Hexachlorobutadiene	111		108		67-130	3		30
Isopropylbenzene	107		108		70-130	1		30
p-Isopropyltoluene	105		107		70-130	2		30
Naphthalene	96		100		70-130	4		30
Acrylonitrile	87		89		70-130	2		30
n-Propylbenzene	118		120		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 08 Batch: WG903263-3 WG903263-4								
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	103		104		70-130	1		30
1,3,5-Trimethylbenzene	106		109		70-130	3		30
1,2,4-Trimethylbenzene	107		109		70-130	2		30
1,4-Dioxane	103		99		65-136	4		30
p-Diethylbenzene	107		110		70-130	3		30
p-Ethyltoluene	104		105		70-130	1		30
1,2,4,5-Tetramethylbenzene	100		99		70-130	1		30
Ethyl ether	147	Q	156	Q	67-130	6		30
trans-1,4-Dichloro-2-butene	112		114		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		112		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	105		102		70-130

SEMIVOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 19:49
Analyst: PS
Percent Solids: 87%

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	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	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	98		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 20:14
Analyst: PS
Percent Solids: 93%

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

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	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	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	500	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	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	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	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	27.	1
Anthracene	ND		ug/kg	110	34.	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	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	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	110	34.	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	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	102		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03 D
 Client ID: RXSB-1/22-24
 Sample Location: FLUSHING, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/13/16 02:57
 Analyst: PS
 Percent Solids: 94%

Date Collected: 06/07/16 10:50
 Date Received: 06/07/16
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	36.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	40.	2
Hexachlorobenzene	ND		ug/kg	210	39.	2
Bis(2-chloroethyl)ether	ND		ug/kg	310	47.	2
2-Chloronaphthalene	ND		ug/kg	350	34.	2
1,2-Dichlorobenzene	ND		ug/kg	350	62.	2
1,3-Dichlorobenzene	ND		ug/kg	350	60.	2
1,4-Dichlorobenzene	ND		ug/kg	350	61.	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	93.	2
2,4-Dinitrotoluene	ND		ug/kg	350	70.	2
2,6-Dinitrotoluene	ND		ug/kg	350	60.	2
Fluoranthene	ND		ug/kg	210	40.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	37.	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	53.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	60.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	35.	2
Hexachlorobutadiene	ND		ug/kg	350	51.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	320	2
Hexachloroethane	ND		ug/kg	280	56.	2
Isophorone	ND		ug/kg	310	45.	2
Naphthalene	ND		ug/kg	350	42.	2
Nitrobenzene	ND		ug/kg	310	52.	2
NDPA/DPA	ND		ug/kg	280	40.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	54.	2
Bis(2-ethylhexyl)phthalate	300	J	ug/kg	350	120	2
Butyl benzyl phthalate	ND		ug/kg	350	88.	2
Di-n-butylphthalate	ND		ug/kg	350	66.	2
Di-n-octylphthalate	ND		ug/kg	350	120	2
Diethyl phthalate	ND		ug/kg	350	32.	2
Dimethyl phthalate	ND		ug/kg	350	73.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03 D
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	210	39.	2
Benzo(a)pyrene	ND		ug/kg	280	85.	2
Benzo(b)fluoranthene	ND		ug/kg	210	59.	2
Benzo(k)fluoranthene	ND		ug/kg	210	56.	2
Chrysene	ND		ug/kg	210	36.	2
Acenaphthylene	ND		ug/kg	280	54.	2
Anthracene	ND		ug/kg	210	68.	2
Benzo(ghi)perylene	ND		ug/kg	280	41.	2
Fluorene	ND		ug/kg	350	34.	2
Phenanthrene	ND		ug/kg	210	42.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	40.	2
Indeno(1,2,3-cd)pyrene	ND		ug/kg	280	48.	2
Pyrene	ND		ug/kg	210	35.	2
Biphenyl	ND		ug/kg	790	81.	2
4-Chloroaniline	ND		ug/kg	350	63.	2
2-Nitroaniline	ND		ug/kg	350	67.	2
3-Nitroaniline	ND		ug/kg	350	66.	2
4-Nitroaniline	ND		ug/kg	350	140	2
Dibenzofuran	ND		ug/kg	350	33.	2
2-Methylnaphthalene	ND		ug/kg	420	42.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	36.	2
Acetophenone	ND		ug/kg	350	43.	2
2,4,6-Trichlorophenol	ND		ug/kg	210	66.	2
p-Chloro-m-cresol	ND		ug/kg	350	52.	2
2-Chlorophenol	ND		ug/kg	350	41.	2
2,4-Dichlorophenol	ND		ug/kg	310	56.	2
2,4-Dimethylphenol	ND		ug/kg	350	110	2
2-Nitrophenol	ND		ug/kg	750	130	2
4-Nitrophenol	ND		ug/kg	490	140	2
2,4-Dinitrophenol	ND		ug/kg	1700	160	2
4,6-Dinitro-o-cresol	ND		ug/kg	900	170	2
Pentachlorophenol	ND		ug/kg	280	77.	2
Phenol	ND		ug/kg	350	53.	2
2-Methylphenol	ND		ug/kg	350	54.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	500	54.	2
2,4,5-Trichlorophenol	ND		ug/kg	350	67.	2
Benzoic Acid	ND		ug/kg	1100	350	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	34.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03 D
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	83		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/16 01:16
Analyst: PS
Percent Solids: 89%

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Fluoranthene	180		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	220		ug/kg	180	47.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	110		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	180		ug/kg	110	31.	1
Benzo(k)fluoranthene	55	J	ug/kg	110	30.	1
Chrysene	120		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	110	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	62	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	22	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	97	J	ug/kg	150	26.	1
Pyrene	170		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	890	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	ND		ug/kg	180	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	26		10-136
4-Terphenyl-d14	89		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/16 01:42
Analyst: PS
Percent Solids: 87%

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	92		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06 D
 Client ID: RXSB-3/0-2
 Sample Location: FLUSHING, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/13/16 03:22
 Analyst: PS
 Percent Solids: 91%

Date Collected: 06/07/16 13:05
 Date Received: 06/07/16
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	290	38.	2
1,2,4-Trichlorobenzene	ND		ug/kg	360	42.	2
Hexachlorobenzene	ND		ug/kg	220	41.	2
Bis(2-chloroethyl)ether	ND		ug/kg	330	49.	2
2-Chloronaphthalene	ND		ug/kg	360	36.	2
1,2-Dichlorobenzene	ND		ug/kg	360	65.	2
1,3-Dichlorobenzene	ND		ug/kg	360	63.	2
1,4-Dichlorobenzene	ND		ug/kg	360	64.	2
3,3'-Dichlorobenzidine	ND		ug/kg	360	97.	2
2,4-Dinitrotoluene	ND		ug/kg	360	73.	2
2,6-Dinitrotoluene	ND		ug/kg	360	62.	2
Fluoranthene	ND		ug/kg	220	42.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	360	39.	2
4-Bromophenyl phenyl ether	ND		ug/kg	360	56.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	440	62.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	390	36.	2
Hexachlorobutadiene	ND		ug/kg	360	53.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	330	2
Hexachloroethane	ND		ug/kg	290	59.	2
Isophorone	ND		ug/kg	330	47.	2
Naphthalene	ND		ug/kg	360	44.	2
Nitrobenzene	ND		ug/kg	330	54.	2
NDPA/DPA	ND		ug/kg	290	41.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	360	56.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	360	130	2
Butyl benzyl phthalate	ND		ug/kg	360	92.	2
Di-n-butylphthalate	ND		ug/kg	360	69.	2
Di-n-octylphthalate	ND		ug/kg	360	120	2
Diethyl phthalate	ND		ug/kg	360	34.	2
Dimethyl phthalate	ND		ug/kg	360	76.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06 D
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	220	41.	2
Benzo(a)pyrene	ND		ug/kg	290	89.	2
Benzo(b)fluoranthene	ND		ug/kg	220	61.	2
Benzo(k)fluoranthene	ND		ug/kg	220	58.	2
Chrysene	ND		ug/kg	220	38.	2
Acenaphthylene	ND		ug/kg	290	56.	2
Anthracene	ND		ug/kg	220	71.	2
Benzo(ghi)perylene	ND		ug/kg	290	43.	2
Fluorene	ND		ug/kg	360	35.	2
Phenanthrene	ND		ug/kg	220	44.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	42.	2
Indeno(1,2,3-cd)pyrene	ND		ug/kg	290	51.	2
Pyrene	ND		ug/kg	220	36.	2
Biphenyl	ND		ug/kg	830	84.	2
4-Chloroaniline	ND		ug/kg	360	66.	2
2-Nitroaniline	ND		ug/kg	360	70.	2
3-Nitroaniline	ND		ug/kg	360	69.	2
4-Nitroaniline	ND		ug/kg	360	150	2
Dibenzofuran	ND		ug/kg	360	34.	2
2-Methylnaphthalene	ND		ug/kg	440	44.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	360	38.	2
Acetophenone	ND		ug/kg	360	45.	2
2,4,6-Trichlorophenol	ND		ug/kg	220	69.	2
p-Chloro-m-cresol	ND		ug/kg	360	54.	2
2-Chlorophenol	ND		ug/kg	360	43.	2
2,4-Dichlorophenol	ND		ug/kg	330	59.	2
2,4-Dimethylphenol	ND		ug/kg	360	120	2
2-Nitrophenol	ND		ug/kg	790	140	2
4-Nitrophenol	ND		ug/kg	510	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	170	2
4,6-Dinitro-o-cresol	ND		ug/kg	950	180	2
Pentachlorophenol	ND		ug/kg	290	80.	2
Phenol	ND		ug/kg	360	55.	2
2-Methylphenol	ND		ug/kg	360	56.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	520	57.	2
2,4,5-Trichlorophenol	ND		ug/kg	360	70.	2
Benzoic Acid	ND		ug/kg	1200	370	2
Benzyl Alcohol	ND		ug/kg	360	110	2
Carbazole	ND		ug/kg	360	35.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06 D
 Client ID: RXSB-3/0-2
 Sample Location: FLUSHING, NY

Date Collected: 06/07/16 13:05
 Date Received: 06/07/16
 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	89		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/13/16 02:07
Analyst: PS
Percent Solids: 95%

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:18

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	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	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	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	230		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	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	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	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	110	J	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
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	36.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	130		ug/kg	100	19.	1
Benzo(a)pyrene	130	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	210		ug/kg	100	29.	1
Benzo(k)fluoranthene	63	J	ug/kg	100	27.	1
Chrysene	150		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	110	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	99	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	24.	1
Pyrene	200		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	71.	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	32.	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	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	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
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	89		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
 Client ID: RXSB-2/0-2
 Sample Location: FLUSHING, NY
 Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 06/13/16 03:47
 Analyst: PS
 Percent Solids: 92%

Date Collected: 06/07/16 11:55
 Date Received: 06/07/16
 Field Prep: Not Specified
 Extraction Method: EPA 3546
 Extraction Date: 06/09/16 16:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	36.	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	40.	2
Hexachlorobenzene	ND		ug/kg	210	40.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	48.	2
2-Chloronaphthalene	ND		ug/kg	350	35.	2
1,2-Dichlorobenzene	ND		ug/kg	350	63.	2
1,3-Dichlorobenzene	ND		ug/kg	350	61.	2
1,4-Dichlorobenzene	ND		ug/kg	350	62.	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	71.	2
2,6-Dinitrotoluene	ND		ug/kg	350	60.	2
Fluoranthene	75	J	ug/kg	210	40.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	38.	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	54.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	60.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	35.	2
Hexachlorobutadiene	ND		ug/kg	350	52.	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	320	2
Hexachloroethane	ND		ug/kg	280	57.	2
Isophorone	ND		ug/kg	320	46.	2
Naphthalene	140	J	ug/kg	350	43.	2
Nitrobenzene	ND		ug/kg	320	52.	2
NDPA/DPA	ND		ug/kg	280	40.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	54.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	350	120	2
Butyl benzyl phthalate	ND		ug/kg	350	89.	2
Di-n-butylphthalate	ND		ug/kg	350	67.	2
Di-n-octylphthalate	ND		ug/kg	350	120	2
Diethyl phthalate	ND		ug/kg	350	33.	2
Dimethyl phthalate	ND		ug/kg	350	74.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	50	J	ug/kg	210	40.	2
Benzo(a)pyrene	ND		ug/kg	280	86.	2
Benzo(b)fluoranthene	86	J	ug/kg	210	59.	2
Benzo(k)fluoranthene	ND		ug/kg	210	56.	2
Chrysene	130	J	ug/kg	210	37.	2
Acenaphthylene	ND		ug/kg	280	54.	2
Anthracene	ND		ug/kg	210	69.	2
Benzo(ghi)perylene	ND		ug/kg	280	42.	2
Fluorene	ND		ug/kg	350	34.	2
Phenanthrene	210		ug/kg	210	43.	2
Dibenzo(a,h)anthracene	ND		ug/kg	210	41.	2
Indeno(1,2,3-cd)pyrene	ND		ug/kg	280	49.	2
Pyrene	77	J	ug/kg	210	35.	2
Biphenyl	ND		ug/kg	800	82.	2
4-Chloroaniline	ND		ug/kg	350	64.	2
2-Nitroaniline	ND		ug/kg	350	68.	2
3-Nitroaniline	ND		ug/kg	350	67.	2
4-Nitroaniline	ND		ug/kg	350	150	2
Dibenzofuran	52	J	ug/kg	350	33.	2
2-Methylnaphthalene	180	J	ug/kg	420	43.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	37.	2
Acetophenone	ND		ug/kg	350	44.	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
p-Chloro-m-cresol	ND		ug/kg	350	53.	2
2-Chlorophenol	ND		ug/kg	350	42.	2
2,4-Dichlorophenol	ND		ug/kg	320	57.	2
2,4-Dimethylphenol	ND		ug/kg	350	120	2
2-Nitrophenol	ND		ug/kg	760	130	2
4-Nitrophenol	ND		ug/kg	490	140	2
2,4-Dinitrophenol	ND		ug/kg	1700	160	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	170	2
Pentachlorophenol	ND		ug/kg	280	78.	2
Phenol	ND		ug/kg	350	53.	2
2-Methylphenol	ND		ug/kg	350	55.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	55.	2
2,4,5-Trichlorophenol	ND		ug/kg	350	68.	2
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	34.	2

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08 D
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	79		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/12/16 20:39
Analyst: PS
Percent Solids: 94%

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:18

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	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	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	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	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1
Diethyl phthalate	ND		ug/kg	180	16.	1
Dimethyl phthalate	ND		ug/kg	180	37.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	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	27.	1
Anthracene	ND		ug/kg	110	34.	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	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		ug/kg	110	18.	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	110	34.	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	850	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	85.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1
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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	97		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 18:33
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG902334-1					
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	18.
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	170	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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 18:33
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG902334-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
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	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
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	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/12/16 18:33
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/09/16 16:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG902334-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
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.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	98		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG902334-2 WG902334-3								
Acenaphthene	100		92		31-137	8		50
Benzidine	19		15		10-66	24		50
1,2,4-Trichlorobenzene	100		93		38-107	7		50
Hexachlorobenzene	104		95		40-140	9		50
Bis(2-chloroethyl)ether	99		90		40-140	10		50
2-Chloronaphthalene	106		98		40-140	8		50
1,2-Dichlorobenzene	97		90		40-140	7		50
1,3-Dichlorobenzene	91		87		40-140	4		50
1,4-Dichlorobenzene	90		86		28-104	5		50
3,3'-Dichlorobenzidine	72		68		40-140	6		50
2,4-Dinitrotoluene	116	Q	109	Q	28-89	6		50
2,6-Dinitrotoluene	123		114		40-140	8		50
Azobenzene	105		98		40-140	7		50
Fluoranthene	105		99		40-140	6		50
4-Chlorophenyl phenyl ether	103		96		40-140	7		50
4-Bromophenyl phenyl ether	100		92		40-140	8		50
Bis(2-chloroisopropyl)ether	98		91		40-140	7		50
Bis(2-chloroethoxy)methane	105		97		40-117	8		50
Hexachlorobutadiene	98		88		40-140	11		50
Hexachlorocyclopentadiene	108		96		40-140	12		50
Hexachloroethane	91		85		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG902334-2 WG902334-3								
Isophorone	108		100		40-140	8		50
Naphthalene	98		88		40-140	11		50
Nitrobenzene	105		97		40-140	8		50
NDPA/DPA	105		97		36-157	8		50
n-Nitrosodi-n-propylamine	107		99		32-121	8		50
Bis(2-ethylhexyl)phthalate	107		97		40-140	10		50
Butyl benzyl phthalate	109		101		40-140	8		50
Di-n-butylphthalate	105		98		40-140	7		50
Di-n-octylphthalate	106		97		40-140	9		50
Diethyl phthalate	105		96		40-140	9		50
Dimethyl phthalate	110		102		40-140	8		50
Benzo(a)anthracene	101		93		40-140	8		50
Benzo(a)pyrene	112		103		40-140	8		50
Benzo(b)fluoranthene	101		92		40-140	9		50
Benzo(k)fluoranthene	110		101		40-140	9		50
Chrysene	105		96		40-140	9		50
Acenaphthylene	111		101		40-140	9		50
Anthracene	105		98		40-140	7		50
Benzo(ghi)perylene	101		95		40-140	6		50
Fluorene	103		96		40-140	7		50
Phenanthrene	102		94		40-140	8		50

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG902334-2 WG902334-3								
Dibenzo(a,h)anthracene	102		97		40-140	5		50
Indeno(1,2,3-cd)pyrene	102		99		40-140	3		50
Pyrene	108		101		35-142	7		50
Biphenyl	114	Q	105	Q	54-104	8		50
4-Chloroaniline	73		74		40-140	1		50
2-Nitroaniline	116		106		47-134	9		50
3-Nitroaniline	86		82		26-129	5		50
4-Nitroaniline	104		95		41-125	9		50
Dibenzofuran	102		96		40-140	6		50
2-Methylnaphthalene	102		93		40-140	9		50
1,2,4,5-Tetrachlorobenzene	110		102		40-117	8		50
Acetophenone	110		104		14-144	6		50
n-Nitrosodimethylamine	91		84		22-100	8		50
2,4,6-Trichlorophenol	110		105		30-130	5		50
p-Chloro-m-cresol	108	Q	99		26-103	9		50
2-Chlorophenol	100		93		25-102	7		50
2,4-Dichlorophenol	109		101		30-130	8		50
2,4-Dimethylphenol	110		101		30-130	9		50
2-Nitrophenol	114		108		30-130	5		50
4-Nitrophenol	102		95		11-114	7		50
2,4-Dinitrophenol	90		82		4-130	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG902334-2 WG902334-3								
4,6-Dinitro-o-cresol	116		108		10-130	7		50
Pentachlorophenol	120	Q	112	Q	17-109	7		50
Phenol	103	Q	96	Q	26-90	7		50
2-Methylphenol	106		98		30-130	8		50
3-Methylphenol/4-Methylphenol	105		97		30-130	8		50
2,4,5-Trichlorophenol	111		101		30-130	9		50
Benzoic Acid	24		26		10-110	8		50
Benzyl Alcohol	105		94		40-140	11		50
Carbazole	103		96		54-128	7		50
Parathion, ethyl	159	Q	148	Q	40-140	7		50
Atrazine	124		113		40-140	9		50
Caprolactam	108		98		15-130	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	94		89		25-120
Phenol-d6	104		95		10-120
Nitrobenzene-d5	107		99		23-120
2-Fluorobiphenyl	106		94		30-120
2,4,6-Tribromophenol	105		98		10-136
4-Terphenyl-d14	103		95		18-120

PCBS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 03:35
Analyst: KE
Percent Solids: 87%

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.9	2.84	1	A
Aroclor 1221	ND		ug/kg	35.9	3.31	1	A
Aroclor 1232	ND		ug/kg	35.9	4.21	1	A
Aroclor 1242	ND		ug/kg	35.9	4.40	1	A
Aroclor 1248	ND		ug/kg	35.9	3.03	1	A
Aroclor 1254	ND		ug/kg	35.9	2.95	1	A
Aroclor 1260	ND		ug/kg	35.9	2.74	1	A
Aroclor 1262	ND		ug/kg	35.9	1.78	1	A
Aroclor 1268	ND		ug/kg	35.9	5.21	1	A
PCBs, Total	ND		ug/kg	35.9	1.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 03:49
Analyst: KE
Percent Solids: 93%

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.81	1	A
Aroclor 1221	ND		ug/kg	35.5	3.28	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.35	1	A
Aroclor 1248	ND		ug/kg	35.5	3.00	1	A
Aroclor 1254	ND		ug/kg	35.5	2.92	1	A
Aroclor 1260	20.0	J	ug/kg	35.5	2.71	1	B
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	27.6	J	ug/kg	35.5	5.15	1	B
PCBs, Total	47.6	J	ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 04:03
Analyst: KE
Percent Solids: 94%

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.66	1	A
Aroclor 1221	ND		ug/kg	33.6	3.10	1	A
Aroclor 1232	ND		ug/kg	33.6	3.94	1	A
Aroclor 1242	ND		ug/kg	33.6	4.12	1	A
Aroclor 1248	ND		ug/kg	33.6	2.84	1	A
Aroclor 1254	ND		ug/kg	33.6	2.77	1	A
Aroclor 1260	6.80	J	ug/kg	33.6	2.56	1	B
Aroclor 1262	ND		ug/kg	33.6	1.67	1	A
Aroclor 1268	ND		ug/kg	33.6	4.88	1	B
PCBs, Total	6.80	J	ug/kg	33.6	1.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 04:16
Analyst: KE
Percent Solids: 89%

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.1	2.85	1	A
Aroclor 1221	ND		ug/kg	36.1	3.33	1	A
Aroclor 1232	ND		ug/kg	36.1	4.23	1	A
Aroclor 1242	ND		ug/kg	36.1	4.42	1	A
Aroclor 1248	ND		ug/kg	36.1	3.05	1	A
Aroclor 1254	ND		ug/kg	36.1	2.97	1	A
Aroclor 1260	4.41	J	ug/kg	36.1	2.75	1	B
Aroclor 1262	ND		ug/kg	36.1	1.79	1	A
Aroclor 1268	ND		ug/kg	36.1	5.24	1	B
PCBs, Total	4.41	J	ug/kg	36.1	1.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 13:44
Analyst: KE
Percent Solids: 87%

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	2.98	1	A
Aroclor 1221	ND		ug/kg	37.7	3.47	1	A
Aroclor 1232	ND		ug/kg	37.7	4.42	1	A
Aroclor 1242	ND		ug/kg	37.7	4.61	1	A
Aroclor 1248	ND		ug/kg	37.7	3.18	1	A
Aroclor 1254	ND		ug/kg	37.7	3.10	1	A
Aroclor 1260	ND		ug/kg	37.7	2.87	1	A
Aroclor 1262	ND		ug/kg	37.7	1.87	1	A
Aroclor 1268	ND		ug/kg	37.7	5.46	1	A
PCBs, Total	ND		ug/kg	37.7	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 13:57
Analyst: KE
Percent Solids: 91%

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.80	1	A
Aroclor 1221	ND		ug/kg	35.5	3.27	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.34	1	A
Aroclor 1248	ND		ug/kg	35.5	2.99	1	A
Aroclor 1254	ND		ug/kg	35.5	2.91	1	A
Aroclor 1260	6.24	J	ug/kg	35.5	2.70	1	B
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.14	1	A
PCBs, Total	6.24	J	ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 14:10
Analyst: KE
Percent Solids: 95%

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.65	1	A
Aroclor 1221	ND		ug/kg	33.6	3.09	1	A
Aroclor 1232	ND		ug/kg	33.6	3.93	1	A
Aroclor 1242	ND		ug/kg	33.6	4.11	1	A
Aroclor 1248	ND		ug/kg	33.6	2.83	1	A
Aroclor 1254	ND		ug/kg	33.6	2.76	1	A
Aroclor 1260	10.5	J	ug/kg	33.6	2.56	1	B
Aroclor 1262	ND		ug/kg	33.6	1.66	1	A
Aroclor 1268	ND		ug/kg	33.6	4.87	1	A
PCBs, Total	10.5	J	ug/kg	33.6	1.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 14:23
Analyst: KE
Percent Solids: 92%

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.80	1	A
Aroclor 1221	ND		ug/kg	35.5	3.27	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.34	1	A
Aroclor 1248	ND		ug/kg	35.5	2.99	1	A
Aroclor 1254	ND		ug/kg	35.5	2.92	1	A
Aroclor 1260	8.86	J	ug/kg	35.5	2.70	1	B
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.14	1	A
PCBs, Total	8.86	J	ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/12/16 14:37
Analyst: KE
Percent Solids: 94%

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	2.81	1	A
Aroclor 1221	ND		ug/kg	35.5	3.28	1	A
Aroclor 1232	ND		ug/kg	35.5	4.16	1	A
Aroclor 1242	ND		ug/kg	35.5	4.35	1	A
Aroclor 1248	ND		ug/kg	35.5	3.00	1	A
Aroclor 1254	ND		ug/kg	35.5	2.92	1	A
Aroclor 1260	ND		ug/kg	35.5	2.71	1	A
Aroclor 1262	ND		ug/kg	35.5	1.76	1	A
Aroclor 1268	ND		ug/kg	35.5	5.15	1	A
PCBs, Total	ND		ug/kg	35.5	1.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/11/16 13:59
Analyst: KE

Extraction Method: EPA 3546
Extraction Date: 06/09/16 18:27
Cleanup Method: EPA 3665A
Cleanup Date: 06/10/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-09 Batch: WG902375-1						
Aroclor 1016	ND		ug/kg	31.5	2.49	A
Aroclor 1221	ND		ug/kg	31.5	2.91	A
Aroclor 1232	ND		ug/kg	31.5	3.70	A
Aroclor 1242	ND		ug/kg	31.5	3.86	A
Aroclor 1248	ND		ug/kg	31.5	2.66	A
Aroclor 1254	ND		ug/kg	31.5	2.59	A
Aroclor 1260	ND		ug/kg	31.5	2.40	A
Aroclor 1262	ND		ug/kg	31.5	1.56	A
Aroclor 1268	ND		ug/kg	31.5	4.57	A
PCBs, Total	ND		ug/kg	31.5	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	75		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG902375-2 WG902375-3									
Aroclor 1016	81		80		40-140	1		50	A
Aroclor 1260	74		76		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		80		30-150	A
Decachlorobiphenyl	85		89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		86		30-150	B
Decachlorobiphenyl	81		82		30-150	B

PESTICIDES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 19:03
Analyst: AL
Percent Solids: 87%

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.79	0.351	1	A
Lindane	ND		ug/kg	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	ND		ug/kg	1.79	0.415	1	A
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	ND		ug/kg	3.36	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.6	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	100		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 19:19
Analyst: AL
Percent Solids: 93%

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.967	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	0.679	JPI	ug/kg	1.07	0.537	1	B
4,4'-DDE	ND		ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	4.24		ug/kg	3.22	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.03	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.0	5.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	133		30-150	B
2,4,5,6-Tetrachloro-m-xylene	105		30-150	A
Decachlorobiphenyl	113		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 19:35
Analyst: AL
Percent Solids: 94%

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.686	0.306	1	A
Alpha-BHC	ND		ug/kg	0.686	0.195	1	A
Beta-BHC	ND		ug/kg	1.64	0.624	1	A
Heptachlor	ND		ug/kg	0.823	0.369	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.926	1	A
Endrin	ND		ug/kg	0.686	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.720	1	A
Endrin ketone	ND		ug/kg	1.64	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.514	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.587	1	A
4,4'-DDT	1.38	J	ug/kg	3.08	1.32	1	B
Endosulfan I	ND		ug/kg	1.64	0.389	1	A
Endosulfan II	ND		ug/kg	1.64	0.550	1	A
Endosulfan sulfate	ND		ug/kg	0.686	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.960	1	A
Toxaphene	ND		ug/kg	30.8	8.64	1	A
cis-Chlordane	ND		ug/kg	2.06	0.573	1	A
trans-Chlordane	ND		ug/kg	2.06	0.543	1	A
Chlordane	ND		ug/kg	13.4	5.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	112		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 19:51
Analyst: AL
Percent Solids: 89%

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.974	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	1.46	J	ug/kg	3.24	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.1	5.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	91		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 20:07
Analyst: AL
Percent Solids: 87%

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.691	1	A
Heptachlor	ND		ug/kg	0.911	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.02	1	A
Endrin	ND		ug/kg	0.760	0.311	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.469	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.650	1	A
4,4'-DDT	ND		ug/kg	3.42	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.609	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.57	1	A
cis-Chlordane	ND		ug/kg	2.28	0.635	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 20:23
Analyst: AL
Percent Solids: 91%

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	1.13	P	ug/kg	1.07	0.535	1	A
4,4'-DDE	0.818	J	ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	1.74	J	ug/kg	3.21	1.38	1	B
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	0.999	1	A
Toxaphene	ND		ug/kg	32.1	8.99	1	A
cis-Chlordane	1.09	J	ug/kg	2.14	0.597	1	A
trans-Chlordane	1.25	J	ug/kg	2.14	0.565	1	B
Chlordane	7.97	J	ug/kg	13.9	5.68	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	101		30-150	B
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	102		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 20:39
Analyst: AL
Percent Solids: 95%

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.59	0.312	1	A
Lindane	ND		ug/kg	0.663	0.296	1	A
Alpha-BHC	ND		ug/kg	0.663	0.188	1	A
Beta-BHC	ND		ug/kg	1.59	0.603	1	A
Heptachlor	ND		ug/kg	0.795	0.357	1	A
Aldrin	ND		ug/kg	1.59	0.560	1	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	1	A
Endrin	ND		ug/kg	0.663	0.272	1	A
Endrin aldehyde	ND		ug/kg	1.99	0.696	1	A
Endrin ketone	ND		ug/kg	1.59	0.410	1	A
Dieldrin	0.905	J	ug/kg	0.994	0.497	1	A
4,4'-DDE	ND		ug/kg	1.59	0.368	1	A
4,4'-DDD	ND		ug/kg	1.59	0.567	1	A
4,4'-DDT	4.21		ug/kg	2.98	1.28	1	B
Endosulfan I	ND		ug/kg	1.59	0.376	1	A
Endosulfan II	ND		ug/kg	1.59	0.532	1	A
Endosulfan sulfate	ND		ug/kg	0.663	0.316	1	A
Methoxychlor	ND		ug/kg	2.98	0.928	1	A
Toxaphene	ND		ug/kg	29.8	8.35	1	A
cis-Chlordane	ND		ug/kg	1.99	0.554	1	A
trans-Chlordane	ND		ug/kg	1.99	0.525	1	A
Chlordane	ND		ug/kg	12.9	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	109		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	104		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 20:55
Analyst: AL
Percent Solids: 92%

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.693	0.310	1	A
Alpha-BHC	ND		ug/kg	0.693	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.831	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.935	1	A
Endrin	ND		ug/kg	0.693	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.727	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	4.75		ug/kg	1.66	0.384	1	B
4,4'-DDD	ND		ug/kg	1.66	0.593	1	A
4,4'-DDT	3.70		ug/kg	3.12	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	1.19	J	ug/kg	1.66	0.556	1	B
Endosulfan sulfate	ND		ug/kg	0.693	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.970	1	A
Toxaphene	ND		ug/kg	31.2	8.73	1	A
cis-Chlordane	ND		ug/kg	2.08	0.579	1	A
trans-Chlordane	ND		ug/kg	2.08	0.549	1	A
Chlordane	14.9	PI	ug/kg	13.5	5.51	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	90		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 21:11
Analyst: AL
Percent Solids: 94%

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.315	1	A
Lindane	ND		ug/kg	0.670	0.300	1	A
Alpha-BHC	ND		ug/kg	0.670	0.190	1	A
Beta-BHC	ND		ug/kg	1.61	0.610	1	A
Heptachlor	ND		ug/kg	0.804	0.360	1	A
Aldrin	ND		ug/kg	1.61	0.566	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.905	1	A
Endrin	ND		ug/kg	0.670	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.704	1	A
Endrin ketone	ND		ug/kg	1.61	0.414	1	A
Dieldrin	ND		ug/kg	1.00	0.502	1	A
4,4'-DDE	ND		ug/kg	1.61	0.372	1	A
4,4'-DDD	ND		ug/kg	1.61	0.574	1	A
4,4'-DDT	ND		ug/kg	3.02	1.29	1	A
Endosulfan I	ND		ug/kg	1.61	0.380	1	A
Endosulfan II	ND		ug/kg	1.61	0.537	1	A
Endosulfan sulfate	ND		ug/kg	0.670	0.319	1	A
Methoxychlor	ND		ug/kg	3.02	0.938	1	A
Toxaphene	ND		ug/kg	30.2	8.44	1	A
cis-Chlordane	ND		ug/kg	2.01	0.560	1	A
trans-Chlordane	ND		ug/kg	2.01	0.531	1	A
Chlordane	ND		ug/kg	13.1	5.33	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	92		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/16 17:43
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG902391-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.182	A
Beta-BHC	ND		ug/kg	1.53	0.582	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.959	0.480	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	2.88	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.513	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.895	A
Toxaphene	ND		ug/kg	28.8	8.06	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.5	5.08	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/16 17:43
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/09/16 19:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/10/16

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG902391-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	97		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG902391-2 WG902391-3									
Delta-BHC	117		116		30-150	1		30	A
Lindane	116		114		30-150	2		30	A
Alpha-BHC	115		113		30-150	2		30	A
Beta-BHC	106		114		30-150	7		30	A
Heptachlor	128		124		30-150	3		30	A
Aldrin	128		128		30-150	0		30	A
Heptachlor epoxide	134		132		30-150	2		30	A
Endrin	146		144		30-150	1		30	A
Endrin aldehyde	109		106		30-150	3		30	A
Endrin ketone	119		120		30-150	1		30	A
Dieldrin	143		141		30-150	1		30	A
4,4'-DDE	131		129		30-150	2		30	A
4,4'-DDD	125		124		30-150	1		30	A
4,4'-DDT	141		138		30-150	2		30	A
Endosulfan I	142		140		30-150	1		30	A
Endosulfan II	131		130		30-150	1		30	A
Endosulfan sulfate	102		103		30-150	1		30	A
Methoxychlor	120		119		30-150	1		30	A
cis-Chlordane	116		122		30-150	5		30	A
trans-Chlordane	130		130		30-150	0		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG902391-2 WG902391-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	109		106		30-150	B
Decachlorobiphenyl	119		118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	111		106		30-150	A
Decachlorobiphenyl	111		110		30-150	A

METALS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9100		mg/kg	8.9	1.8	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Antimony, Total	0.80	J	mg/kg	4.5	0.71	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Arsenic, Total	2.1		mg/kg	0.89	0.29	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Barium, Total	59		mg/kg	0.89	0.24	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Beryllium, Total	0.41	J	mg/kg	0.45	0.10	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.89	0.06	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Calcium, Total	1200		mg/kg	8.9	2.4	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Chromium, Total	22		mg/kg	0.89	0.15	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Cobalt, Total	7.1		mg/kg	1.8	0.44	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Copper, Total	13		mg/kg	0.89	0.16	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Iron, Total	15000		mg/kg	4.5	1.4	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Lead, Total	0.27	J	mg/kg	4.5	0.20	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Magnesium, Total	2900		mg/kg	8.9	1.2	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Manganese, Total	210		mg/kg	0.89	0.21	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/09/16 07:00	06/09/16 13:37	EPA 7471B	1,7471B	BV
Nickel, Total	15		mg/kg	2.2	0.36	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Potassium, Total	1600		mg/kg	220	25.	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.8	0.24	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.89	0.18	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Sodium, Total	110	J	mg/kg	180	15.	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.8	0.28	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Vanadium, Total	26		mg/kg	0.89	0.08	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB
Zinc, Total	33		mg/kg	4.5	0.62	2	06/09/16 09:30	06/09/16 12:53	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 93%

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7600		mg/kg	8.5	1.7	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Antimony, Total	1.5	J	mg/kg	4.3	0.68	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Arsenic, Total	15		mg/kg	0.85	0.28	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Barium, Total	280		mg/kg	0.85	0.23	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Beryllium, Total	0.38	J	mg/kg	0.43	0.09	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Cadmium, Total	0.37	J	mg/kg	0.85	0.06	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Calcium, Total	13000		mg/kg	8.5	2.3	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Chromium, Total	19		mg/kg	0.85	0.14	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Cobalt, Total	6.5		mg/kg	1.7	0.42	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Copper, Total	56		mg/kg	0.85	0.15	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Iron, Total	20000		mg/kg	4.3	1.3	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Lead, Total	1300		mg/kg	4.3	0.19	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Magnesium, Total	4300		mg/kg	8.5	1.1	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Manganese, Total	320		mg/kg	0.85	0.20	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Mercury, Total	0.27		mg/kg	0.07	0.01	1	06/09/16 07:00	06/09/16 13:38	EPA 7471B	1,7471B	BV
Nickel, Total	15		mg/kg	2.1	0.34	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Potassium, Total	990		mg/kg	210	24.	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Selenium, Total	0.23	J	mg/kg	1.7	0.23	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.85	0.17	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Sodium, Total	420		mg/kg	170	14.	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.7	0.27	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Vanadium, Total	21		mg/kg	0.85	0.08	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB
Zinc, Total	230		mg/kg	4.3	0.60	2	06/09/16 09:30	06/09/16 12:58	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5900		mg/kg	8.1	1.6	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Antimony, Total	1.5	J	mg/kg	4.1	0.65	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Arsenic, Total	3.9		mg/kg	0.81	0.27	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Barium, Total	130		mg/kg	0.81	0.22	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Beryllium, Total	0.37	J	mg/kg	0.41	0.09	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Cadmium, Total	0.20	J	mg/kg	0.81	0.06	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Calcium, Total	4400		mg/kg	8.1	2.2	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Chromium, Total	26		mg/kg	0.81	0.14	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Cobalt, Total	6.2		mg/kg	1.6	0.40	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Copper, Total	20		mg/kg	0.81	0.15	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Iron, Total	75000		mg/kg	20	6.4	10	06/09/16 09:30	06/09/16 14:48	EPA 3050B	1,6010C	FB
Lead, Total	ND		mg/kg	4.1	0.18	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Magnesium, Total	3300		mg/kg	8.1	1.1	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Manganese, Total	1700		mg/kg	0.81	0.20	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Mercury, Total	0.02	J	mg/kg	0.07	0.01	1	06/09/16 07:00	06/09/16 13:40	EPA 7471B	1,7471B	BV
Nickel, Total	16		mg/kg	2.0	0.32	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Potassium, Total	1600		mg/kg	200	23.	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.6	0.22	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Silver, Total	0.53	J	mg/kg	0.81	0.16	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Sodium, Total	140	J	mg/kg	160	14.	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.6	0.26	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Vanadium, Total	27		mg/kg	0.81	0.07	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB
Zinc, Total	40		mg/kg	4.1	0.57	2	06/09/16 09:30	06/09/16 13:02	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 89%

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9100		mg/kg	8.8	1.7	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Antimony, Total	1.4	J	mg/kg	4.4	0.71	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Arsenic, Total	7.6		mg/kg	0.88	0.29	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Barium, Total	170		mg/kg	0.88	0.24	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Beryllium, Total	0.42	J	mg/kg	0.44	0.10	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Cadmium, Total	0.28	J	mg/kg	0.88	0.06	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Calcium, Total	13000		mg/kg	8.8	2.4	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Chromium, Total	17		mg/kg	0.88	0.15	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Cobalt, Total	6.1		mg/kg	1.8	0.43	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Copper, Total	45		mg/kg	0.88	0.16	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Iron, Total	16000		mg/kg	4.4	1.4	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Lead, Total	490		mg/kg	4.4	0.19	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Magnesium, Total	2600		mg/kg	8.8	1.2	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Manganese, Total	480		mg/kg	0.88	0.21	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Mercury, Total	0.28		mg/kg	0.07	0.02	1	06/09/16 07:00	06/09/16 13:42	EPA 7471B	1,7471B	BV
Nickel, Total	14		mg/kg	2.2	0.35	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Potassium, Total	840		mg/kg	220	25.	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.8	0.24	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Silver, Total	0.18	J	mg/kg	0.88	0.18	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Sodium, Total	130	J	mg/kg	180	15.	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.8	0.28	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Vanadium, Total	23		mg/kg	0.88	0.08	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB
Zinc, Total	150		mg/kg	4.4	0.62	2	06/09/16 09:30	06/09/16 13:06	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	14000		mg/kg	9.1	1.8	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Antimony, Total	1.6	J	mg/kg	4.5	0.73	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Arsenic, Total	4.3		mg/kg	0.91	0.30	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Barium, Total	99		mg/kg	0.91	0.24	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Beryllium, Total	0.44	J	mg/kg	0.45	0.10	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.91	0.06	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Calcium, Total	2600		mg/kg	9.1	2.5	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Chromium, Total	32		mg/kg	0.91	0.15	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Cobalt, Total	13		mg/kg	1.8	0.44	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Copper, Total	24		mg/kg	0.91	0.16	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Iron, Total	34000		mg/kg	4.5	1.4	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Lead, Total	ND		mg/kg	4.5	0.20	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Magnesium, Total	4600		mg/kg	9.1	1.2	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Manganese, Total	590		mg/kg	0.91	0.22	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	06/09/16 07:00	06/09/16 13:44	EPA 7471B	1,7471B	BV
Nickel, Total	21		mg/kg	2.3	0.36	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Potassium, Total	3800		mg/kg	230	25.	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.8	0.24	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.91	0.18	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Sodium, Total	190		mg/kg	180	15.	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.8	0.29	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Vanadium, Total	40		mg/kg	0.91	0.08	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB
Zinc, Total	53		mg/kg	4.5	0.64	2	06/09/16 09:30	06/09/16 13:10	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 91%

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	10000		mg/kg	8.7	1.7	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Antimony, Total	1.1	J	mg/kg	4.4	0.70	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Arsenic, Total	4.1		mg/kg	0.87	0.29	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Barium, Total	58		mg/kg	0.87	0.23	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Beryllium, Total	0.29	J	mg/kg	0.44	0.10	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Cadmium, Total	0.08	J	mg/kg	0.87	0.06	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Calcium, Total	14000		mg/kg	8.7	2.4	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Chromium, Total	18		mg/kg	0.87	0.15	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Cobalt, Total	7.9		mg/kg	1.7	0.43	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Copper, Total	65		mg/kg	0.87	0.16	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Iron, Total	22000		mg/kg	4.4	1.4	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Lead, Total	30		mg/kg	4.4	0.19	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Magnesium, Total	6200		mg/kg	8.7	1.2	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Manganese, Total	380		mg/kg	0.87	0.21	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Mercury, Total	0.08		mg/kg	0.07	0.01	1	06/09/16 07:00	06/09/16 13:46	EPA 7471B	1,7471B	BV
Nickel, Total	13		mg/kg	2.2	0.35	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Potassium, Total	920		mg/kg	220	24.	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.7	0.23	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.87	0.17	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Sodium, Total	310		mg/kg	170	14.	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.7	0.28	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Vanadium, Total	30		mg/kg	0.87	0.08	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB
Zinc, Total	53		mg/kg	4.4	0.61	2	06/09/16 09:30	06/09/16 13:14	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 95%

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	12000		mg/kg	8.2	1.6	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Antimony, Total	1.4	J	mg/kg	4.1	0.66	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Arsenic, Total	6.9		mg/kg	0.82	0.27	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Barium, Total	98		mg/kg	0.82	0.22	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Beryllium, Total	0.42		mg/kg	0.41	0.09	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Cadmium, Total	0.18	J	mg/kg	0.82	0.06	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Calcium, Total	7200		mg/kg	8.2	2.3	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Chromium, Total	23		mg/kg	0.82	0.14	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Cobalt, Total	7.1		mg/kg	1.6	0.40	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Copper, Total	21		mg/kg	0.82	0.15	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Iron, Total	21000		mg/kg	4.1	1.3	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Lead, Total	140		mg/kg	4.1	0.18	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Magnesium, Total	2400		mg/kg	8.2	1.1	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Manganese, Total	390		mg/kg	0.82	0.20	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Mercury, Total	0.10		mg/kg	0.07	0.01	1	06/09/16 07:00	06/09/16 13:47	EPA 7471B	1,7471B	BV
Nickel, Total	15		mg/kg	2.1	0.33	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Potassium, Total	920		mg/kg	210	23.	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.6	0.22	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.82	0.16	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Sodium, Total	210		mg/kg	160	14.	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.6	0.26	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Vanadium, Total	30		mg/kg	0.82	0.07	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB
Zinc, Total	88		mg/kg	4.1	0.58	2	06/09/16 09:30	06/09/16 13:19	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8000		mg/kg	8.6	1.7	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Antimony, Total	5.1		mg/kg	4.3	0.69	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Arsenic, Total	22		mg/kg	0.86	0.28	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Barium, Total	120		mg/kg	0.86	0.23	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Beryllium, Total	2.4		mg/kg	0.43	0.10	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Cadmium, Total	0.17	J	mg/kg	0.86	0.06	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Calcium, Total	7400		mg/kg	8.6	2.4	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Chromium, Total	40		mg/kg	0.86	0.15	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Cobalt, Total	26		mg/kg	1.7	0.42	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Copper, Total	640		mg/kg	0.86	0.16	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Iron, Total	27000		mg/kg	4.3	1.4	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Lead, Total	490		mg/kg	4.3	0.19	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Magnesium, Total	3000		mg/kg	8.6	1.2	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Manganese, Total	250		mg/kg	0.86	0.21	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Mercury, Total	0.08		mg/kg	0.07	0.02	1	06/09/16 07:00	06/09/16 13:49	EPA 7471B	1,7471B	BV
Nickel, Total	95		mg/kg	2.2	0.34	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Potassium, Total	760		mg/kg	220	24.	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Selenium, Total	1.0	J	mg/kg	1.7	0.23	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.86	0.17	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Sodium, Total	580		mg/kg	170	14.	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.7	0.28	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Vanadium, Total	30		mg/kg	0.86	0.08	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB
Zinc, Total	3100		mg/kg	4.3	0.60	2	06/09/16 09:30	06/09/16 13:23	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4600		mg/kg	8.2	1.6	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Antimony, Total	ND		mg/kg	4.1	0.65	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Arsenic, Total	1.3		mg/kg	0.82	0.27	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Barium, Total	73		mg/kg	0.82	0.22	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Beryllium, Total	0.16	J	mg/kg	0.41	0.09	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.82	0.06	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Calcium, Total	380		mg/kg	8.2	2.2	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Chromium, Total	11		mg/kg	0.82	0.14	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Cobalt, Total	4.1		mg/kg	1.6	0.40	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Copper, Total	8.7		mg/kg	0.82	0.15	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Iron, Total	9800		mg/kg	4.1	1.3	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Lead, Total	ND		mg/kg	4.1	0.18	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Magnesium, Total	1300		mg/kg	8.2	1.1	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Manganese, Total	580		mg/kg	0.82	0.20	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Mercury, Total	ND		mg/kg	0.07	0.02	1	06/09/16 07:00	06/09/16 13:51	EPA 7471B	1,7471B	BV
Nickel, Total	8.4		mg/kg	2.0	0.33	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Potassium, Total	560		mg/kg	200	23.	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.6	0.22	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.82	0.16	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Sodium, Total	70	J	mg/kg	160	14.	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.6	0.26	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Vanadium, Total	15		mg/kg	0.82	0.07	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB
Zinc, Total	16		mg/kg	4.1	0.57	2	06/09/16 09:30	06/09/16 13:44	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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): 01-09 Batch: WG902033-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/09/16 07:00	06/09/16 10:42	1,7471B	BV

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): 01-09 Batch: WG902087-1										
Aluminum, Total	ND		mg/kg	4.0	0.79	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Arsenic, Total	ND		mg/kg	0.40	0.13	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Barium, Total	ND		mg/kg	0.40	0.11	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Calcium, Total	ND		mg/kg	4.0	1.1	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Chromium, Total	ND		mg/kg	0.40	0.07	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Copper, Total	ND		mg/kg	0.40	0.07	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Iron, Total	ND		mg/kg	2.0	0.63	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Lead, Total	ND		mg/kg	2.0	0.09	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Magnesium, Total	ND		mg/kg	4.0	0.53	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Manganese, Total	ND		mg/kg	0.40	0.10	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Potassium, Total	ND		mg/kg	100	11.	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Selenium, Total	ND		mg/kg	0.80	0.11	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Silver, Total	ND		mg/kg	0.40	0.08	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Sodium, Total	9.6	J	mg/kg	80	6.7	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Thallium, Total	ND		mg/kg	0.80	0.13	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/09/16 09:30	06/09/16 11:48	1,6010C	FB

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG902033-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG902087-2 SRM Lot Number: D088-540					
Aluminum, Total	82	-	48-151	-	
Antimony, Total	206	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	99	-	83-117	-	
Beryllium, Total	98	-	83-117	-	
Cadmium, Total	105	-	83-117	-	
Calcium, Total	94	-	81-119	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	102	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	96	-	45-155	-	
Lead, Total	98	-	81-117	-	
Magnesium, Total	88	-	76-124	-	
Manganese, Total	101	-	81-118	-	
Nickel, Total	104	-	83-117	-	
Potassium, Total	93	-	71-129	-	
Selenium, Total	108	-	78-122	-	
Silver, Total	103	-	75-124	-	
Sodium, Total	121	-	72-127	-	
Thallium, Total	105	-	80-120	-	
Vanadium, Total	97	-	78-122	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG902087-2 SRM Lot Number: D088-540					
Zinc, Total	106	-	82-118	-	

Matrix Spike Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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): 01-09 QC Batch ID: WG902033-4 QC Sample: L1617086-02 Client ID: MS Sample												
Mercury, Total	0.26	0.146	0.41	102		-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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): 01-09			QC Batch ID: WG902087-4		QC Sample: L1617376-01		Client ID: MS Sample		
Aluminum, Total	9600	232	12000	1030	Q	-	75-125	-	20
Antimony, Total	1.1J	58.1	58	100		-	75-125	-	20
Arsenic, Total	8.2	13.9	23	106		-	75-125	-	20
Barium, Total	22.	232	240	94		-	75-125	-	20
Beryllium, Total	0.48J	5.81	6.1	105		-	75-125	-	20
Cadmium, Total	ND	5.92	5.8	98		-	75-125	-	20
Calcium, Total	2200	1160	3700	129	Q	-	75-125	-	20
Chromium, Total	19.	23.2	43	103		-	75-125	-	20
Cobalt, Total	7.9	58.1	61	91		-	75-125	-	20
Copper, Total	11.	29	42	107		-	75-125	-	20
Iron, Total	23000	116	26000	2580	Q	-	75-125	-	20
Lead, Total	ND	59.2	54	91		-	75-125	-	20
Magnesium, Total	4500	1160	6100	138	Q	-	75-125	-	20
Manganese, Total	460	58.1	570	189	Q	-	75-125	-	20
Nickel, Total	17.	58.1	72	95		-	75-125	-	20
Potassium, Total	1800	1160	3200	120		-	75-125	-	20
Selenium, Total	ND	13.9	13	93		-	75-125	-	20
Silver, Total	ND	34.8	37	106		-	75-125	-	20
Sodium, Total	1200	1160	2600	120		-	75-125	-	20
Thallium, Total	ND	13.9	12	86		-	75-125	-	20
Vanadium, Total	21.	58.1	81	103		-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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): 01-09 QC Batch ID: WG902087-4 QC Sample: L1617376-01 Client ID: MS Sample									
Zinc, Total	52.	58.1	110	100	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG902033-3 QC Sample: L1617086-02 Client ID: DUP Sample						
Mercury, Total	0.26	0.14	mg/kg	60	Q	20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG902087-3 QC Sample: L1617376-01 Client ID: DUP Sample					
Aluminum, Total	9600	12000	mg/kg	22	Q 20
Antimony, Total	1.1J	1.2J	mg/kg	NC	20
Arsenic, Total	8.2	8.9	mg/kg	8	20
Barium, Total	22.	28	mg/kg	24	Q 20
Beryllium, Total	0.48J	0.60	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	2200	2600	mg/kg	17	20
Chromium, Total	19.	25	mg/kg	27	Q 20
Cobalt, Total	7.9	9.4	mg/kg	17	20
Copper, Total	11.	15	mg/kg	31	Q 20
Iron, Total	23000	28000	mg/kg	20	20
Lead, Total	ND	ND	mg/kg	NC	20
Magnesium, Total	4500	5600	mg/kg	22	Q 20
Manganese, Total	460	550	mg/kg	18	20
Nickel, Total	17.	21	mg/kg	21	Q 20
Potassium, Total	1800	2500	mg/kg	33	Q 20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	1200	1500	mg/kg	22	Q 20

Lab Duplicate Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG902087-3 QC Sample: L1617376-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	21.	27	mg/kg	25	Q 20
Zinc, Total	52.	60	mg/kg	14	20

Project Name: AAFE
Project Number: 2741.0001Y

**Lab Serial Dilution
 Analysis
 Batch Quality Control**

Lab Number: L1617259
Report Date: 06/13/16

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG902087-6 QC Sample: L1617376-01 Client ID: DUP Sample						
Aluminum, Total	9600	10000	mg/kg	4		10
Calcium, Total	2200	2500	mg/kg	14	Q	10
Iron, Total	23000	25000	mg/kg	9		10
Magnesium, Total	4500	5000	mg/kg	11	Q	10
Manganese, Total	460	500	mg/kg	9		10

INORGANICS & MISCELLANEOUS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-01
Client ID: RXSB-2/22-24
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 13:30
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-02
Client ID: RXSB-8/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 11:20
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-03
Client ID: RXSB-1/22-24
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 10:50
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-04
Client ID: RXSB-6/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 10:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-05
Client ID: RXSB-2/5-7
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 13:00
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.9		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-06
Client ID: RXSB-3/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 13:05
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-07
Client ID: RXSB-7/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 10:35
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-08
Client ID: RXSB-2/0-2
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 11:55
Date Received: 06/07/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	06/09/16 00:55	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

SAMPLE RESULTS

Lab ID: L1617259-09
Client ID: RXSB-3/22-24
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/07/16 15:20
Date Received: 06/07/16
Field Prep: Not Specified

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	-	06/09/16 00:55	121,2540G	VB



Lab Duplicate Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG901977-1 QC Sample: L1617136-01 Client ID: DUP Sample						
Solids, Total	87.9	87.3	%	1		20

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 08-JUN-16 10:17

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617259-01A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-01B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-01C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-01D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-01E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-01F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-01X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-01Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-01Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-02A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-02B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-02C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-02D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-02E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-02F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617259-02X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-02Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-02Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-03A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-03B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-03C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-03D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-03E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-03F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-03X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-03Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-03Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-04A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-04B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-04C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-04D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-04E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-04F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-04X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-04Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-04Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-05A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-05B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-05C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617259-05D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-05E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-05F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-05X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-05Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-05Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-06A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-06B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-06C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-06D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-06E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-06F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-06X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-06Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-06Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-07A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-07B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-07C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-07D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617259-07E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-07F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-07X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-07Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-07Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-08A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-08B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-08C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-08D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)
L1617259-08E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-08F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-08X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-08Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-08Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-09A	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-09B	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-09C	5 gram Encore Sampler	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(2)
L1617259-09D	Plastic 2oz unpreserved for TS	A	N/A	2.4	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617259-09E	Metals Only - Glass 60mL/2oz unp	A	N/A	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)
L1617259-09F	Glass 250ml/8oz unpreserved	A	N/A	2.4	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617259-09X	Vial MeOH preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-09Y	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)
L1617259-09Z	Vial Water preserved split	A	N/A	2.4	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

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).
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.
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

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.

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.

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

Report Format: DU Report with 'J' Qualifiers



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
Report Date: 06/13/16

Data Qualifiers

- 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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617259
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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 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

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

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

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

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

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

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

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

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, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: 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.

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

Non-Potable Water

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

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

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

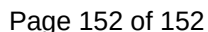
EPA 624: Volatile Halocarbons & Aromatics,

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, SM9222D-MF.**

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





ANALYTICAL REPORT

Lab Number:	L1617498
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Michael Roux
Phone:	(631) 232-2600
Project Name:	AAFE
Project Number:	2741.0001Y
Report Date:	06/14/16

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1617498-01	RXSB-7/5-7	SOIL	FLUSHING, NY	06/08/16 12:30	06/08/16
L1617498-02	RXSB-6/8-10	SOIL	FLUSHING, NY	06/08/16 13:30	06/08/16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Case Narrative (continued)

Report Submission

The project number was provided by the client.

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

Semivolatile Organics

The WG902855-2/-3 LCS/LCSD recoveries, associated with L1617498-01 and -02, are below the acceptance criteria for benzoic acid (4%/3%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Metals

L1617498-01 and -02: 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.

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:



Cristin Walker

Title: Technical Director/Representative

Date: 06/14/16

ORGANICS

VOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/16 16:27
Analyst: BN
Percent Solids: 92%

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	12	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.10	1
Chloroform	ND		ug/kg	1.8	0.46	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	4.3	0.28	1
Dibromochloromethane	ND		ug/kg	1.2	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.38	1
Tetrachloroethene	1.1	J	ug/kg	1.2	0.17	1
Chlorobenzene	ND		ug/kg	1.2	0.43	1
Trichlorofluoromethane	ND		ug/kg	6.2	0.48	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	0.14	1
Bromodichloromethane	ND		ug/kg	1.2	0.21	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	1.2	0.14	1
1,1-Dichloropropene	ND		ug/kg	6.2	0.17	1
Bromoform	ND		ug/kg	4.9	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.12	1
Benzene	ND		ug/kg	1.2	0.14	1
Toluene	5.8		ug/kg	1.8	0.24	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	6.2	0.36	1
Bromomethane	ND		ug/kg	2.5	0.42	1
Vinyl chloride	ND		ug/kg	2.5	0.14	1
Chloroethane	ND		ug/kg	2.5	0.39	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.26	1
Trichloroethene	ND		ug/kg	1.2	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	0.19	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.2	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.10	1
p/m-Xylene	ND		ug/kg	2.5	0.24	1
o-Xylene	ND		ug/kg	2.5	0.21	1
Xylenes, Total	ND		ug/kg	2.5	0.21	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.18	1
Dibromomethane	ND		ug/kg	12	0.20	1
Styrene	ND		ug/kg	2.5	0.50	1
Dichlorodifluoromethane	ND		ug/kg	12	0.24	1
Acetone	4.0	J	ug/kg	12	1.3	1
Carbon disulfide	ND		ug/kg	12	1.4	1
2-Butanone	ND		ug/kg	12	0.34	1
Vinyl acetate	ND		ug/kg	12	0.16	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.30	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.20	1
2-Hexanone	ND		ug/kg	12	0.82	1
Bromochloromethane	ND		ug/kg	6.2	0.34	1
2,2-Dichloropropane	ND		ug/kg	6.2	0.28	1
1,2-Dibromoethane	ND		ug/kg	4.9	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.39	1
Bromobenzene	ND		ug/kg	6.2	0.26	1
n-Butylbenzene	ND		ug/kg	1.2	0.14	1
sec-Butylbenzene	ND		ug/kg	1.2	0.15	1
tert-Butylbenzene	ND		ug/kg	6.2	0.17	1
o-Chlorotoluene	ND		ug/kg	6.2	0.20	1
p-Chlorotoluene	ND		ug/kg	6.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	0.49	1
Hexachlorobutadiene	ND		ug/kg	6.2	0.28	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.15	1
Naphthalene	ND		ug/kg	6.2	0.17	1
Acrylonitrile	ND		ug/kg	12	0.64	1
n-Propylbenzene	ND		ug/kg	1.2	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	0.18	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	0.18	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	0.17	1
1,4-Dioxane	ND		ug/kg	120	18.	1
p-Diethylbenzene	ND		ug/kg	4.9	0.20	1
p-Ethyltoluene	ND		ug/kg	4.9	0.15	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.9	0.16	1
Ethyl ether	ND		ug/kg	6.2	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.2	0.48	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	103		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/12/16 16:53
Analyst: BN
Percent Solids: 94%

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	13	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.11	1
Chloroform	ND		ug/kg	2.0	0.49	1
Carbon tetrachloride	ND		ug/kg	1.3	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.6	0.30	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.40	1
Tetrachloroethene	ND		ug/kg	1.3	0.19	1
Chlorobenzene	ND		ug/kg	1.3	0.46	1
Trichlorofluoromethane	ND		ug/kg	6.6	0.51	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.15	1
Bromodichloromethane	ND		ug/kg	1.3	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.6	0.19	1
Bromoform	ND		ug/kg	5.3	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.16	1
Toluene	2.9		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.3	0.17	1
Chloromethane	ND		ug/kg	6.6	0.39	1
Bromomethane	ND		ug/kg	2.6	0.45	1
Vinyl chloride	ND		ug/kg	2.6	0.16	1
Chloroethane	ND		ug/kg	2.6	0.42	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.28	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.6	0.20	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.6	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.26	1
o-Xylene	ND		ug/kg	2.6	0.23	1
Xylenes, Total	ND		ug/kg	2.6	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.19	1
Dibromomethane	ND		ug/kg	13	0.22	1
Styrene	ND		ug/kg	2.6	0.53	1
Dichlorodifluoromethane	ND		ug/kg	13	0.25	1
Acetone	9.0	J	ug/kg	13	1.4	1
Carbon disulfide	ND		ug/kg	13	1.5	1
2-Butanone	ND		ug/kg	13	0.36	1
Vinyl acetate	ND		ug/kg	13	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.32	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.22	1
2-Hexanone	ND		ug/kg	13	0.88	1
Bromochloromethane	ND		ug/kg	6.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.6	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.3	0.23	1
1,3-Dichloropropane	ND		ug/kg	6.6	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.42	1
Bromobenzene	ND		ug/kg	6.6	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.6	0.18	1
o-Chlorotoluene	ND		ug/kg	6.6	0.21	1
p-Chlorotoluene	ND		ug/kg	6.6	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.6	0.52	1
Hexachlorobutadiene	ND		ug/kg	6.6	0.30	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.6	0.18	1
Acrylonitrile	ND		ug/kg	13	0.68	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.6	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.6	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.6	0.19	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.6	0.19	1
1,4-Dioxane	ND		ug/kg	130	19.	1
p-Diethylbenzene	ND		ug/kg	5.3	0.21	1
p-Ethyltoluene	ND		ug/kg	5.3	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.3	0.17	1
Ethyl ether	ND		ug/kg	6.6	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG903259-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG903259-3					
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG903259-3					
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,4-Dioxane	ND		ug/kg	100	14.
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/12/16 09:53
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-02 Batch: WG903259-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG903259-1 WG903259-2								
Methylene chloride	100		104		70-130	4		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	111		112		70-130	1		30
Carbon tetrachloride	116		115		70-130	1		30
1,2-Dichloropropane	95		96		70-130	1		30
Dibromochloromethane	106		109		70-130	3		30
2-Chloroethylvinyl ether	88		92		70-130	4		30
1,1,2-Trichloroethane	115		117		70-130	2		30
Tetrachloroethene	104		104		70-130	0		30
Chlorobenzene	104		103		70-130	1		30
Trichlorofluoromethane	196	Q	201	Q	70-139	3		30
1,2-Dichloroethane	112		113		70-130	1		30
1,1,1-Trichloroethane	117		115		70-130	2		30
Bromodichloromethane	111		110		70-130	1		30
trans-1,3-Dichloropropene	109		112		70-130	3		30
cis-1,3-Dichloropropene	102		103		70-130	1		30
1,1-Dichloropropene	110		110		70-130	0		30
Bromoform	108		112		70-130	4		30
1,1,2,2-Tetrachloroethane	113		116		70-130	3		30
Benzene	101		101		70-130	0		30
Toluene	108		109		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG903259-1 WG903259-2								
Ethylbenzene	116		115		70-130	1		30
Chloromethane	71		71		52-130	0		30
Bromomethane	152	Q	156	Q	57-147	3		30
Vinyl chloride	110		112		67-130	2		30
Chloroethane	182	Q	188	Q	50-151	3		30
1,1-Dichloroethene	127		133		65-135	5		30
trans-1,2-Dichloroethene	103		104		70-130	1		30
Trichloroethene	110		110		70-130	0		30
1,2-Dichlorobenzene	101		104		70-130	3		30
1,3-Dichlorobenzene	103		106		70-130	3		30
1,4-Dichlorobenzene	103		107		70-130	4		30
Methyl tert butyl ether	96		99		66-130	3		30
p/m-Xylene	109		109		70-130	0		30
o-Xylene	108		110		70-130	2		30
cis-1,2-Dichloroethene	102		105		70-130	3		30
Dibromomethane	114		117		70-130	3		30
Styrene	112		112		70-130	0		30
Dichlorodifluoromethane	83		81		30-146	2		30
Acetone	110		112		54-140	2		30
Carbon disulfide	118		123		59-130	4		30
2-Butanone	92		86		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG903259-1 WG903259-2								
Vinyl acetate	88		89		70-130	1		30
4-Methyl-2-pentanone	91		93		70-130	2		30
1,2,3-Trichloropropane	116		119		68-130	3		30
2-Hexanone	97		100		70-130	3		30
Bromochloromethane	106		105		70-130	1		30
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	108		111		70-130	3		30
1,3-Dichloropropane	110		112		69-130	2		30
1,1,1,2-Tetrachloroethane	107		109		70-130	2		30
Bromobenzene	102		104		70-130	2		30
n-Butylbenzene	126		126		70-130	0		30
sec-Butylbenzene	111		114		70-130	3		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	107		111		70-130	4		30
p-Chlorotoluene	108		113		70-130	5		30
1,2-Dibromo-3-chloropropane	92		98		68-130	6		30
Hexachlorobutadiene	111		108		67-130	3		30
Isopropylbenzene	112		112		70-130	0		30
p-Isopropyltoluene	105		107		70-130	2		30
Naphthalene	97		100		70-130	3		30
Acrylonitrile	88		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG903259-1 WG903259-2								
Isopropyl Ether	82		83		66-130	1		30
tert-Butyl Alcohol	85		84		70-130	1		30
n-Propylbenzene	118		120		70-130	2		30
1,2,3-Trichlorobenzene	99		100		70-130	1		30
1,2,4-Trichlorobenzene	104		104		70-130	0		30
1,3,5-Trimethylbenzene	106		109		70-130	3		30
1,2,4-Trimethylbenzene	107		109		70-130	2		30
Methyl Acetate	81		83		51-146	2		30
Ethyl Acetate	82		84		70-130	2		30
Acrolein	120		88		70-130	31	Q	30
Cyclohexane	92		90		59-142	2		30
1,4-Dioxane	102		99		65-136	3		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	130		132		50-139	2		30
p-Diethylbenzene	106		107		70-130	1		30
p-Ethyltoluene	102		102		70-130	0		30
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		30
Tetrahydrofuran	80		84		66-130	5		30
Ethyl ether	147	Q	156	Q	67-130	6		30
trans-1,4-Dichloro-2-butene	116		114		70-130	2		30
Methyl cyclohexane	104		101		70-130	3		30
Ethyl-Tert-Butyl-Ether	87		90		70-130	3		30

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-02 Batch: WG903259-1 WG903259-2								
Tertiary-Amyl Methyl Ether	94		95		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	113		111		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	105		102		70-130

SEMIVOLATILES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/16 01:21
Analyst: PS
Percent Solids: 92%

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/10/16 22:49

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	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	26	J	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	220	31.	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
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
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	29.	1
Chrysene	ND		ug/kg	110	19.	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	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	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	220	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	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	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
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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	65		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/14/16 01:46
Analyst: PS
Percent Solids: 94%

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/10/16 22:49

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
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	68		18-120

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/16 00:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/10/16 22:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG902855-1					
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	18.
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	170	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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/16 00:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/10/16 22:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG902855-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
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	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
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	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/14/16 00:07
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 06/10/16 22:49

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG902855-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
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	49.
Carbazole	ND		ug/kg	160	16.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	71		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902855-2 WG902855-3								
Acenaphthene	65		67		31-137	3		50
Benzidine	17		26		10-66	42		50
1,2,4-Trichlorobenzene	65		48		38-107	30		50
Hexachlorobenzene	67		76		40-140	13		50
Bis(2-chloroethyl)ether	66		46		40-140	36		50
2-Chloronaphthalene	68		62		40-140	9		50
1,2-Dichlorobenzene	63		41		40-140	42		50
1,3-Dichlorobenzene	61		39	Q	40-140	44		50
1,4-Dichlorobenzene	62		39		28-104	46		50
3,3'-Dichlorobenzidine	52		87		40-140	50		50
2,4-Dinitrotoluene	75		87		28-89	15		50
2,6-Dinitrotoluene	73		84		40-140	14		50
Azobenzene	73		80		40-140	9		50
Fluoranthene	69		81		40-140	16		50
4-Chlorophenyl phenyl ether	65		71		40-140	9		50
4-Bromophenyl phenyl ether	68		76		40-140	11		50
Bis(2-chloroisopropyl)ether	74		52		40-140	35		50
Bis(2-chloroethoxy)methane	71		58		40-117	20		50
Hexachlorobutadiene	64		44		40-140	37		50
Hexachlorocyclopentadiene	60		46		40-140	26		50
Hexachloroethane	65		41		40-140	45		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902855-2 WG902855-3								
Isophorone	74		67		40-140	10		50
Naphthalene	64		50		40-140	25		50
Nitrobenzene	72		55		40-140	27		50
NitrosoDiPhenylAmine(NDPA)/DPA	69		79		36-157	14		50
n-Nitrosodi-n-propylamine	75		63		32-121	17		50
Bis(2-Ethylhexyl)phthalate	80		92		40-140	14		50
Butyl benzyl phthalate	79		92		40-140	15		50
Di-n-butylphthalate	74		85		40-140	14		50
Di-n-octylphthalate	88		100		40-140	13		50
Diethyl phthalate	72		82		40-140	13		50
Dimethyl phthalate	72		79		40-140	9		50
Benzo(a)anthracene	68		81		40-140	17		50
Benzo(a)pyrene	79		90		40-140	13		50
Benzo(b)fluoranthene	72		84		40-140	15		50
Benzo(k)fluoranthene	74		82		40-140	10		50
Chrysene	67		79		40-140	16		50
Acenaphthylene	72		72		40-140	0		50
Anthracene	69		78		40-140	12		50
Benzo(ghi)perylene	72		82		40-140	13		50
Fluorene	67		75		40-140	11		50
Phenanthrene	64		75		40-140	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902855-2 WG902855-3								
Dibenzo(a,h)anthracene	73		84		40-140	14		50
Indeno(1,2,3-cd)Pyrene	75		87		40-140	15		50
Pyrene	70		81		35-142	15		50
Biphenyl	79		74		54-104	7		50
4-Chloroaniline	30	Q	61		40-140	68	Q	50
1-Methylnaphthalene	69		60		26-130	14		50
2-Nitroaniline	78		85		47-134	9		50
3-Nitroaniline	52		78		26-129	40		50
4-Nitroaniline	72		85		41-125	17		50
Dibenzofuran	66		70		40-140	6		50
2-Methylnaphthalene	68		58		40-140	16		50
1,2,4,5-Tetrachlorobenzene	75		65		40-117	14		50
Acetophenone	81		64		14-144	23		50
n-Nitrosodimethylamine	61		40		22-100	42		50
2,4,6-Trichlorophenol	71		72		30-130	1		50
P-Chloro-M-Cresol	75		78		26-103	4		50
2-Chlorophenol	70		50		25-102	33		50
2,4-Dichlorophenol	75		65		30-130	14		50
2,4-Dimethylphenol	78		68		30-130	14		50
2-Nitrophenol	74		56		30-130	28		50
4-Nitrophenol	65		76		11-114	16		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902855-2 WG902855-3								
2,4-Dinitrophenol	44		51		4-130	15		50
4,6-Dinitro-o-cresol	63		78		10-130	21		50
Pentachlorophenol	52		66		17-109	24		50
Phenol	66		55		26-90	18		50
2-Methylphenol	72		60		30-130.	18		50
3-Methylphenol/4-Methylphenol	70		62		30-130	12		50
2,4,5-Trichlorophenol	70		74		30-130	6		50
Benzoic Acid	4	Q	3	Q	10-110	27		50
Benzyl Alcohol	73		62		40-140	16		50
Carbazole	70		81		54-128	15		50
Parathion, ethyl	107		123		40-140	14		50
Atrazine	105		124		40-140	17		50
Benzaldehyde	72		47		40-140	42		50
Caprolactam	93		104		15-130	11		50
2,3,4,6-Tetrachlorophenol	64		72		40-140	12		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902855-2 WG902855-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		45		25-120
Phenol-d6	72		58		10-120
Nitrobenzene-d5	73		57		23-120
2-Fluorobiphenyl	69		63		30-120
2,4,6-Tribromophenol	70		81		10-136
4-Terphenyl-d14	69		81		18-120

PCBS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/13/16 11:54
Analyst: KB
Percent Solids: 92%

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	2.82	1	A
Aroclor 1221	ND		ug/kg	35.6	3.29	1	A
Aroclor 1232	ND		ug/kg	35.6	4.18	1	A
Aroclor 1242	ND		ug/kg	35.6	4.36	1	A
Aroclor 1248	ND		ug/kg	35.6	3.01	1	A
Aroclor 1254	ND		ug/kg	35.6	2.93	1	A
Aroclor 1260	ND		ug/kg	35.6	2.72	1	A
Aroclor 1262	ND		ug/kg	35.6	1.77	1	A
Aroclor 1268	ND		ug/kg	35.6	5.17	1	A
PCBs, Total	ND		ug/kg	35.6	1.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/13/16 13:43
Analyst: KB
Percent Solids: 94%

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/11/16 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.0	2.69	1	A
Aroclor 1221	ND		ug/kg	34.0	3.14	1	A
Aroclor 1232	ND		ug/kg	34.0	3.99	1	A
Aroclor 1242	ND		ug/kg	34.0	4.16	1	A
Aroclor 1248	ND		ug/kg	34.0	2.87	1	A
Aroclor 1254	ND		ug/kg	34.0	2.80	1	A
Aroclor 1260	ND		ug/kg	34.0	2.59	1	A
Aroclor 1262	ND		ug/kg	34.0	1.69	1	A
Aroclor 1268	ND		ug/kg	34.0	4.93	1	A
PCBs, Total	ND		ug/kg	34.0	1.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/16 00:55
Analyst: KE

Extraction Method: EPA 3546
Extraction Date: 06/11/16 00:40
Cleanup Method: EPA 3665A
Cleanup Date: 06/11/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG902888-1						
Aroclor 1016	ND		ug/kg	31.7	2.50	A
Aroclor 1221	ND		ug/kg	31.7	2.92	A
Aroclor 1232	ND		ug/kg	31.7	3.71	A
Aroclor 1242	ND		ug/kg	31.7	3.88	A
Aroclor 1248	ND		ug/kg	31.7	2.67	A
Aroclor 1254	ND		ug/kg	31.7	2.60	A
Aroclor 1260	ND		ug/kg	31.7	2.41	A
Aroclor 1262	ND		ug/kg	31.7	1.57	A
Aroclor 1268	ND		ug/kg	31.7	4.59	A
PCBs, Total	ND		ug/kg	31.7	1.57	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	127		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG902888-2 WG902888-3									
Aroclor 1016	62		74		40-140	18		50	A
Aroclor 1260	47		67		40-140	35		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		77		30-150	A
Decachlorobiphenyl	51		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		78		30-150	B
Decachlorobiphenyl	75		94		30-150	B

PESTICIDES

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 05:00
Analyst: AL
Percent Solids: 92%

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/10/16 17:50
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.681	0.304	1	A
Alpha-BHC	ND		ug/kg	0.681	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.620	1	A
Heptachlor	ND		ug/kg	0.818	0.366	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.920	1	A
Endrin	ND		ug/kg	0.681	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.715	1	A
Endrin ketone	ND		ug/kg	1.64	0.421	1	A
Dieldrin	ND		ug/kg	1.02	0.511	1	A
4,4'-DDE	ND		ug/kg	1.64	0.378	1	A
4,4'-DDD	ND		ug/kg	1.64	0.583	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.386	1	A
Endosulfan II	ND		ug/kg	1.64	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.681	0.324	1	A
Methoxychlor	ND		ug/kg	3.07	0.954	1	A
Toxaphene	ND		ug/kg	30.7	8.58	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.3	5.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	71		30-150	B
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/12/16 05:15
Analyst: AL
Percent Solids: 94%

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/10/16 17:50
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.681	0.304	1	A
Alpha-BHC	ND		ug/kg	0.681	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.620	1	A
Heptachlor	ND		ug/kg	0.818	0.366	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.920	1	A
Endrin	ND		ug/kg	0.681	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.715	1	A
Endrin ketone	ND		ug/kg	1.64	0.421	1	A
Dieldrin	ND		ug/kg	1.02	0.511	1	A
4,4'-DDE	ND		ug/kg	1.64	0.378	1	A
4,4'-DDD	ND		ug/kg	1.64	0.583	1	A
4,4'-DDT	ND		ug/kg	3.07	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.386	1	A
Endosulfan II	ND		ug/kg	1.64	0.546	1	A
Endosulfan sulfate	ND		ug/kg	0.681	0.324	1	A
Methoxychlor	ND		ug/kg	3.07	0.954	1	A
Toxaphene	ND		ug/kg	30.7	8.58	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.3	5.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	80		30-150	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/16 02:46
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/10/16 17:50
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG902809-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.765	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.669	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.956	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.546	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	8.03	A
cis-Chlordane	ND		ug/kg	1.91	0.533	A
trans-Chlordane	ND		ug/kg	1.91	0.505	A
Chlordane	ND		ug/kg	12.4	5.07	A

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/16 02:46
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 06/10/16 17:50
Cleanup Method: EPA 3620B
Cleanup Date: 06/11/16

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG902809-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	81		30-150	A

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG902809-2 WG902809-3									
Delta-BHC	93		94		30-150	1		30	A
Lindane	87		88		30-150	1		30	A
Alpha-BHC	93		95		30-150	2		30	A
Beta-BHC	127		105		30-150	19		30	A
Heptachlor	98		101		30-150	3		30	A
Aldrin	90		92		30-150	2		30	A
Heptachlor epoxide	98		100		30-150	2		30	A
Endrin	90		93		30-150	3		30	A
Endrin aldehyde	73		74		30-150	1		30	A
Endrin ketone	84		86		30-150	2		30	A
Dieldrin	92		94		30-150	2		30	A
4,4'-DDE	91		94		30-150	3		30	A
4,4'-DDD	89		92		30-150	3		30	A
4,4'-DDT	93		96		30-150	3		30	A
Endosulfan I	95		97		30-150	2		30	A
Endosulfan II	95		97		30-150	2		30	A
Endosulfan sulfate	70		72		30-150	3		30	A
Methoxychlor	94		97		30-150	3		30	A
cis-Chlordane	90		95		30-150	5		30	A
trans-Chlordane	83		87		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG902809-2 WG902809-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	B
Decachlorobiphenyl	86		91		30-150	B
2,4,5,6-Tetrachloro-m-xylene	66		70		30-150	A
Decachlorobiphenyl	85		90		30-150	A

METALS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7000		mg/kg	8.4	1.7	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Antimony, Total	ND		mg/kg	4.2	0.67	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Arsenic, Total	2.6		mg/kg	0.84	0.28	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Barium, Total	62		mg/kg	0.84	0.23	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Beryllium, Total	0.26	J	mg/kg	0.42	0.09	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.84	0.06	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Calcium, Total	1100		mg/kg	8.4	2.3	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Chromium, Total	13		mg/kg	0.84	0.14	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Cobalt, Total	5.7		mg/kg	1.7	0.41	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Copper, Total	12		mg/kg	0.84	0.15	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Iron, Total	12000		mg/kg	4.2	1.3	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Lead, Total	53		mg/kg	4.2	0.18	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Magnesium, Total	1500		mg/kg	8.4	1.1	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Manganese, Total	460		mg/kg	0.84	0.20	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Mercury, Total	0.10		mg/kg	0.07	0.02	1	06/14/16 09:55	06/14/16 12:11	EPA 7471B	1,7471B	BV
Nickel, Total	10		mg/kg	2.1	0.34	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Potassium, Total	450		mg/kg	210	24.	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.7	0.23	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.84	0.17	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Sodium, Total	53	J	mg/kg	170	14.	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.7	0.27	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Vanadium, Total	16		mg/kg	0.84	0.08	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB
Zinc, Total	33		mg/kg	4.2	0.59	2	06/10/16 15:55	06/10/16 21:35	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil
Percent Solids: 94%

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7600		mg/kg	8.4	1.6	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Antimony, Total	ND		mg/kg	4.2	0.67	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Arsenic, Total	1.1		mg/kg	0.84	0.28	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Barium, Total	51		mg/kg	0.84	0.22	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Beryllium, Total	0.17	J	mg/kg	0.42	0.09	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Cadmium, Total	ND		mg/kg	0.84	0.06	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Calcium, Total	700		mg/kg	8.4	2.3	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Chromium, Total	23		mg/kg	0.84	0.14	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Cobalt, Total	5.6		mg/kg	1.7	0.41	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Copper, Total	11		mg/kg	0.84	0.15	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Iron, Total	18000		mg/kg	4.2	1.3	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Lead, Total	5.3		mg/kg	4.2	0.18	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Magnesium, Total	2600		mg/kg	8.4	1.1	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Manganese, Total	260		mg/kg	0.84	0.20	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Mercury, Total	0.02	J	mg/kg	0.07	0.02	1	06/14/16 09:55	06/14/16 12:13	EPA 7471B	1,7471B	BV
Nickel, Total	10		mg/kg	2.1	0.33	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Potassium, Total	2200		mg/kg	210	23.	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Selenium, Total	ND		mg/kg	1.7	0.22	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Silver, Total	ND		mg/kg	0.84	0.17	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Sodium, Total	60	J	mg/kg	170	14.	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Thallium, Total	ND		mg/kg	1.7	0.27	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Vanadium, Total	27		mg/kg	0.84	0.08	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB
Zinc, Total	28		mg/kg	4.2	0.58	2	06/10/16 15:55	06/10/16 21:39	EPA 3050B	1,6010C	FB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 Batch: WG902757-1									
Aluminum, Total	ND	mg/kg	4.0	0.79	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Antimony, Total	ND	mg/kg	2.0	0.32	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Arsenic, Total	ND	mg/kg	0.40	0.13	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Barium, Total	ND	mg/kg	0.40	0.11	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Beryllium, Total	ND	mg/kg	0.20	0.04	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Cadmium, Total	ND	mg/kg	0.40	0.03	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Calcium, Total	ND	mg/kg	4.0	1.1	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Chromium, Total	ND	mg/kg	0.40	0.07	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Cobalt, Total	ND	mg/kg	0.80	0.20	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Copper, Total	ND	mg/kg	0.40	0.07	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Iron, Total	ND	mg/kg	2.0	0.63	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Lead, Total	ND	mg/kg	2.0	0.09	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Magnesium, Total	ND	mg/kg	4.0	0.53	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Manganese, Total	ND	mg/kg	0.40	0.10	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Nickel, Total	ND	mg/kg	1.0	0.16	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Potassium, Total	ND	mg/kg	100	11.	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Selenium, Total	ND	mg/kg	0.80	0.11	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Silver, Total	ND	mg/kg	0.40	0.08	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Sodium, Total	ND	mg/kg	80	6.7	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Thallium, Total	ND	mg/kg	0.80	0.13	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Vanadium, Total	ND	mg/kg	0.40	0.04	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB
Zinc, Total	ND	mg/kg	2.0	0.28	1	06/10/16 15:55	06/10/16 21:11	1,6010C	FB

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): 01-02 Batch: WG903590-1									
Mercury, Total	ND	mg/kg	0.08	0.02	1	06/14/16 09:55	06/14/16 11:48	1,7471B	BV



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG902757-2 SRM Lot Number: D088-540								
Aluminum, Total	94		-		48-151	-		
Antimony, Total	206		-		1-208	-		
Arsenic, Total	105		-		79-121	-		
Barium, Total	105		-		83-117	-		
Beryllium, Total	107		-		83-117	-		
Cadmium, Total	106		-		83-117	-		
Calcium, Total	96		-		81-119	-		
Chromium, Total	101		-		80-120	-		
Cobalt, Total	102		-		84-115	-		
Copper, Total	98		-		81-118	-		
Iron, Total	116		-		45-155	-		
Lead, Total	98		-		81-117	-		
Magnesium, Total	101		-		76-124	-		
Manganese, Total	113		-		81-118	-		
Nickel, Total	99		-		83-117	-		
Potassium, Total	103		-		71-129	-		
Selenium, Total	108		-		78-122	-		
Silver, Total	98		-		75-124	-		
Sodium, Total	114		-		72-127	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	97		-		78-122	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG902757-2 SRM Lot Number: D088-540					
Zinc, Total	101	-	82-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG903590-2 SRM Lot Number: D088-540					
Mercury, Total	107	-	72-128	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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			QC Batch ID: WG902757-4			QC Sample: L1615306-44			Client ID: MS Sample			
Aluminum, Total	4500	173	6300	694	Q	-	-		75-125	-		20
Antimony, Total	22.	43.2	73	113		-	-		75-125	-		20
Arsenic, Total	14.	10.4	22	67	Q	-	-		75-125	-		20
Barium, Total	220	173	440	104		-	-		75-125	-		20
Beryllium, Total	0.20J	4.32	5.6	130	Q	-	-		75-125	-		20
Cadmium, Total	2.5	4.41	7.3	166	Q	-	-		75-125	-		20
Calcium, Total	26000	864	28000	0	Q	-	-		75-125	-		20
Chromium, Total	27.	17.3	47	75		-	-		75-125	-		20
Cobalt, Total	6.8	43.2	48	111		-	-		75-125	-		20
Copper, Total	440	21.6	440	0	Q	-	-		75-125	-		20
Iron, Total	41000	86.4	52000	0	Q	-	-		75-125	-		20
Lead, Total	18000	44.1	33000	34000	Q	-	-		75-125	-		20
Magnesium, Total	6200	864	4600	0	Q	-	-		75-125	-		20
Manganese, Total	400	43.2	490	0	Q	-	-		75-125	-		20
Nickel, Total	28.	43.2	69	79		-	-		75-125	-		20
Potassium, Total	840	864	2000	231	Q	-	-		75-125	-		20
Selenium, Total	ND	10.4	12	116		-	-		75-125	-		20
Silver, Total	0.92	25.9	29	112		-	-		75-125	-		20
Sodium, Total	280	864	1400	162	Q	-	-		75-125	-		20
Thallium, Total	ND	10.4	7.3J	70	Q	-	-		75-125	-		20
Vanadium, Total	21.	43.2	74	111		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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			QC Batch ID: WG902757-4		QC Sample: L1615306-44		Client ID: MS Sample			
Zinc, Total	990	43.2	1400	0	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02			QC Batch ID: WG903590-4		QC Sample: L1617901-01		Client ID: MS Sample			
Mercury, Total	2.0	0.147	2.3	204	Q	-	-	80-120	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG902757-3 QC Sample: L1615306-44 Client ID: DUP Sample						
Lead, Total	18000	26000	mg/kg	36	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG903590-3 QC Sample: L1617901-01 Client ID: DUP Sample						
Mercury, Total	2.0	2.1	mg/kg	5		20

INORGANICS & MISCELLANEOUS

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-01
Client ID: RXSB-7/5-7
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/08/16 12:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	06/10/16 01:52	121,2540G	VB



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

SAMPLE RESULTS

Lab ID: L1617498-02
Client ID: RXSB-6/8-10
Sample Location: FLUSHING, NY
Matrix: Soil

Date Collected: 06/08/16 13:30
Date Received: 06/08/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	06/10/16 01:52	121,2540G	VB



Lab Duplicate Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG902421-1 QC Sample: L1617540-01 Client ID: DUP Sample						
Solids, Total	80.4	80.4	%	0		20

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 09-JUN-16 14:50

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617498-01A	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-01B	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-01C	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-01D	Plastic 2oz unpreserved for TS	A	N/A	3.3	Y	Absent	TS(7)
L1617498-01E	Metals Only - Glass 60mL/2oz unp	A	N/A	3.3	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)
L1617498-01F	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L1617498-01X	Vial MeOH preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1617498-01Y	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1617498-01Z	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1617498-02A	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-02B	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-02C	5 gram Encore Sampler	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(2)
L1617498-02D	Plastic 2oz unpreserved for TS	A	N/A	3.3	Y	Absent	TS(7)
L1617498-02E	Metals Only - Glass 60mL/2oz unp	A	N/A	3.3	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)
L1617498-02F	Glass 250ml/8oz unpreserved	A	N/A	3.3	Y	Absent	NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)

*Values in parentheses indicate holding time in days



Project Name: AAFE**Lab Number:** L1617498**Project Number:** 2741.0001Y**Report Date:** 06/14/16**Container Information**

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1617498-02X	Vial MeOH preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1617498-02Y	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)
L1617498-02Z	Vial Water preserved split	A	N/A	3.3	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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).
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.
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

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.

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.

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

Report Format: DU Report with 'J' Qualifiers



Project Name: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

Data Qualifiers

- 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: AAFE
Project Number: 2741.0001Y

Lab Number: L1617498
Report Date: 06/14/16

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 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

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

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

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

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

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

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

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

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, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: 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.

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

Non-Potable Water

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

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

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, 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, SM9222D-MF.**

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



ANALYTICAL REPORT

Lab Number:	L1618336
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Michael Roux
Phone:	(631) 232-2600
Project Name:	AAFE
Project Number:	2741.0001Y000
Report Date:	06/21/16

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), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1618336-01	MW-1	WATER	FLUSHING	06/15/16 12:00	06/15/16
L1618336-02	MW-2	WATER	FLUSHING	06/15/16 13:30	06/15/16
L1618336-03	MW-4	WATER	FLUSHING	06/15/16 14:00	06/15/16
L1618336-04	DUP061616	WATER	FLUSHING	06/15/16 14:45	06/15/16
L1618336-05	FB061516	WATER	FLUSHING	06/15/16 15:00	06/15/16
L1618336-06	TRIP BLANK	WATER	FLUSHING	06/15/16 00:00	06/15/16

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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.

Total Metals

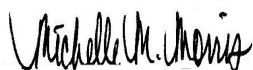
The WG905305-4 MS recovery for aluminum (575%), chromium (151%), iron (1500%) and manganese (610%), performed on L1618336-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG905305-4 MS recoveries, performed on L1618336-01, are outside the acceptance criteria for antimony (56%), magnesium (156%) and selenium (60%). A post digestion spike was performed and yielded unacceptable recoveries for antimony (56%) and magnesium (156%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG905305-3 Laboratory Duplicate RPD, performed on L1618336-01, is outside the acceptance criteria for silver (22%). 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:



Michelle M. Morris

Title: Technical Director/Representative

Date: 06/21/16

ORGANICS

VOLATILES

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 14:34
Analyst: PD

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

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	1.3	J	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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.30	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.8	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
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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	95		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 15:06
Analyst: PD

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	14		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	17		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.5	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
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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	113		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	94		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 15:38
Analyst: PD

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.19	J	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.45	J	ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 16:10
Analyst: PD

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

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	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.24	J	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	0.82		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	2.9		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
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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	112		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 16:42
Analyst: PD

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	110		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	94		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-06
Client ID: TRIP BLANK
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/17/16 17:15
Analyst: PD

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-06
Client ID: TRIP BLANK
Sample Location: FLUSHING

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified

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

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-06
Client ID: TRIP BLANK
Sample Location: FLUSHING

Date Collected: 06/15/16 00:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	111		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	90		70-130

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/16 13:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG905187-5					
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	0.13
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	0.14
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	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/16 13:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG905187-5					
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: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/17/16 13:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG905187-5					
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	41.
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	0.65
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	108		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG905187-3 WG905187-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
2-Chloroethylvinyl ether	190	Q	190	Q	70-130	0		20
Carbon tetrachloride	92		88		63-132	4		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	90		91		63-130	1		20
1,1,2-Trichloroethane	120		120		70-130	0		20
Tetrachloroethene	95		96		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	140		140		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	96		93		67-130	3		20
Bromodichloromethane	96		94		67-130	2		20
trans-1,3-Dichloropropene	99		98		70-130	1		20
cis-1,3-Dichloropropene	92		90		70-130	2		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	83		82		54-136	1		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		110		70-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG905187-3 WG905187-4								
Ethylbenzene	110		110		70-130	0		20
Chloromethane	95		110		64-130	15		20
Bromomethane	110		110		39-139	0		20
Vinyl chloride	170	Q	170	Q	55-140	0		20
Chloroethane	140	Q	140	Q	55-138	0		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	99		95		70-130	4		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		99		70-130	1		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	87		87		63-130	0		20
p/m-Xylene	115		115		70-130	0		20
o-Xylene	115		115		70-130	0		20
cis-1,2-Dichloroethene	98		94		70-130	4		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	110		110		64-130	0		20
Acrylonitrile	96		92		70-130	4		20
Isopropyl Ether	110		110		70-130	0		20
tert-Butyl Alcohol	70		68	Q	70-130	3		20
Styrene	115		110		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG905187-3 WG905187-4								
Dichlorodifluoromethane	85		83		36-147	2		20
Acetone	100		90		58-148	11		20
Carbon disulfide	91		90		51-130	1		20
2-Butanone	89		87		63-138	2		20
Vinyl acetate	93		89		70-130	4		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	110		110		57-130	0		20
Acrolein	100		100		40-160	0		20
Bromochloromethane	98		96		70-130	2		20
2,2-Dichloropropane	74		71		63-133	4		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	120		110		70-130	9		20
1,1,1,2-Tetrachloroethane	100		98		64-130	2		20
Bromobenzene	97		96		70-130	1		20
n-Butylbenzene	120		120		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	110		100		70-130	10		20
o-Chlorotoluene	120		120		70-130	0		20
p-Chlorotoluene	120		110		70-130	9		20
1,2-Dibromo-3-chloropropane	76		77		41-144	1		20
Hexachlorobutadiene	77		77		63-130	0		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG905187-3 WG905187-4								
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	90		92		70-130	2		20
n-Propylbenzene	120		110		69-130	9		20
1,2,3-Trichlorobenzene	81		84		70-130	4		20
1,2,4-Trichlorobenzene	82		84		70-130	2		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
Methyl Acetate	100		100		70-130	0		20
Ethyl Acetate	120		120		70-130	0		20
Cyclohexane	110		110		70-130	0		20
Ethyl-Tert-Butyl-Ether	93		90		70-130	3		20
Tertiary-Amyl Methyl Ether	83		82		66-130	1		20
1,4-Dioxane	94		96		56-162	2		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	130		120		70-130	8		20
p-Diethylbenzene	96		97		70-130	1		20
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	110		110		70-130	0		20
Tetrahydrofuran	99		94		58-130	5		20
Ethyl ether	140	Q	120		59-134	15		20
trans-1,4-Dichloro-2-butene	100		94		70-130	6		20

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG905187-3 WG905187-4								
Iodomethane	41	Q	43	Q	70-130	5		20
Methyl cyclohexane	97		94		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		107		70-130
Toluene-d8	111		110		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	101		99		70-130

SEMIVOLATILES

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/21/16 02:16
Analyst: AL

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.8	0.63	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	0.64	1
1,2-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,3-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,4-Dichlorobenzene	ND		ug/l	1.9	0.68	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	1.3	1
2,4-Dinitrotoluene	ND		ug/l	4.8	0.81	1
2,6-Dinitrotoluene	ND		ug/l	4.8	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	0.60	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	0.70	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	0.66	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	19	7.5	1
Isophorone	ND		ug/l	4.8	0.57	1
Nitrobenzene	ND		ug/l	1.9	0.72	1
NDPA/DPA	ND		ug/l	1.9	0.62	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	0.67	1
Bis(2-ethylhexyl)phthalate	0.87	J	ug/l	2.9	0.87	1
Butyl benzyl phthalate	ND		ug/l	4.8	1.2	1
Di-n-butylphthalate	ND		ug/l	4.8	0.66	1
Di-n-octylphthalate	ND		ug/l	4.8	1.1	1
Diethyl phthalate	ND		ug/l	4.8	0.60	1
Dimethyl phthalate	ND		ug/l	4.8	0.62	1
Biphenyl	ND		ug/l	1.9	0.72	1
4-Chloroaniline	ND		ug/l	4.8	0.60	1
2-Nitroaniline	ND		ug/l	4.8	1.1	1
3-Nitroaniline	ND		ug/l	4.8	1.1	1
4-Nitroaniline	ND		ug/l	4.8	1.2	1
Dibenzofuran	ND		ug/l	1.9	0.63	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.6	0.64	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	4.8	0.81	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	0.65	1
p-Chloro-m-cresol	ND		ug/l	1.9	0.59	1
2-Chlorophenol	ND		ug/l	1.9	0.60	1
2,4-Dichlorophenol	ND		ug/l	4.8	0.73	1
2,4-Dimethylphenol	ND		ug/l	4.8	1.6	1
2-Nitrophenol	ND		ug/l	9.6	1.4	1
4-Nitrophenol	ND		ug/l	9.6	1.7	1
2,4-Dinitrophenol	ND		ug/l	19	5.2	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	2.0	1
Phenol	ND		ug/l	4.8	1.8	1
2-Methylphenol	ND		ug/l	4.8	0.97	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	0.68	1
Benzoic Acid	ND		ug/l	48	12.	1
Benzyl Alcohol	ND		ug/l	1.9	0.69	1
Carbazole	ND		ug/l	1.9	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	85		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 17:14
Analyst: KV

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.03	1
2-Chloronaphthalene	ND		ug/l	0.19	0.03	1
Fluoranthene	ND		ug/l	0.19	0.04	1
Hexachlorobutadiene	ND		ug/l	0.48	0.03	1
Naphthalene	ND		ug/l	0.19	0.04	1
Benzo(a)anthracene	ND		ug/l	0.19	0.02	1
Benzo(a)pyrene	ND		ug/l	0.19	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.19	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.19	0.04	1
Chrysene	ND		ug/l	0.19	0.04	1
Acenaphthylene	ND		ug/l	0.19	0.03	1
Anthracene	ND		ug/l	0.19	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.19	0.04	1
Fluorene	ND		ug/l	0.19	0.04	1
Phenanthrene	ND		ug/l	0.19	0.01	1
Dibenzo(a,h)anthracene	ND		ug/l	0.19	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.19	0.04	1
Pyrene	ND		ug/l	0.19	0.04	1
2-Methylnaphthalene	ND		ug/l	0.19	0.04	1
Pentachlorophenol	ND		ug/l	0.76	0.21	1
Hexachlorobenzene	ND		ug/l	0.76	0.03	1
Hexachloroethane	ND		ug/l	0.76	0.03	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	61		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/21/16 02:41
Analyst: AL

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4	1
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84	1
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	5.0	0.60	1
Nitrobenzene	ND		ug/l	2.0	0.75	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.3	1
Di-n-butylphthalate	ND		ug/l	5.0	0.69	1
Di-n-octylphthalate	ND		ug/l	5.0	1.1	1
Diethyl phthalate	ND		ug/l	5.0	0.63	1
Dimethyl phthalate	ND		ug/l	5.0	0.65	1
Biphenyl	ND		ug/l	2.0	0.76	1
4-Chloroaniline	ND		ug/l	5.0	0.63	1
2-Nitroaniline	ND		ug/l	5.0	1.1	1
3-Nitroaniline	ND		ug/l	5.0	1.1	1
4-Nitroaniline	ND		ug/l	5.0	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.66	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.85	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.62	1
2-Chlorophenol	ND		ug/l	2.0	0.63	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.77	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.6	1
2-Nitrophenol	ND		ug/l	10	1.5	1
4-Nitrophenol	ND		ug/l	10	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.5	1
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1	1
Phenol	ND		ug/l	5.0	1.9	1
2-Methylphenol	ND		ug/l	5.0	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72	1
Benzoic Acid	ND		ug/l	50	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	68		10-120
4-Terphenyl-d14	66		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 17:44
Analyst: KV

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.05	1
Pentachlorophenol	ND		ug/l	0.80	0.22	1
Hexachlorobenzene	ND		ug/l	0.80	0.03	1
Hexachloroethane	ND		ug/l	0.80	0.03	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	55		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	53		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/21/16 03:06
Analyst: AL

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.8	0.63	1
Bis(2-chloroethyl)ether	ND		ug/l	1.9	0.64	1
1,2-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,3-Dichlorobenzene	ND		ug/l	1.9	0.70	1
1,4-Dichlorobenzene	ND		ug/l	1.9	0.68	1
3,3'-Dichlorobenzidine	ND		ug/l	4.8	1.3	1
2,4-Dinitrotoluene	ND		ug/l	4.8	0.81	1
2,6-Dinitrotoluene	ND		ug/l	4.8	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	1.9	0.60	1
4-Bromophenyl phenyl ether	ND		ug/l	1.9	0.70	1
Bis(2-chloroisopropyl)ether	ND		ug/l	1.9	0.66	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.8	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	19	7.5	1
Isophorone	ND		ug/l	4.8	0.57	1
Nitrobenzene	ND		ug/l	1.9	0.72	1
NDPA/DPA	ND		ug/l	1.9	0.62	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.8	0.67	1
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	2.9	0.87	1
Butyl benzyl phthalate	ND		ug/l	4.8	1.2	1
Di-n-butylphthalate	ND		ug/l	4.8	0.66	1
Di-n-octylphthalate	ND		ug/l	4.8	1.1	1
Diethyl phthalate	ND		ug/l	4.8	0.60	1
Dimethyl phthalate	ND		ug/l	4.8	0.62	1
Biphenyl	ND		ug/l	1.9	0.72	1
4-Chloroaniline	ND		ug/l	4.8	0.60	1
2-Nitroaniline	ND		ug/l	4.8	1.1	1
3-Nitroaniline	ND		ug/l	4.8	1.1	1
4-Nitroaniline	ND		ug/l	4.8	1.2	1
Dibenzofuran	ND		ug/l	1.9	0.63	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.6	0.64	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	4.8	0.81	1
2,4,6-Trichlorophenol	ND		ug/l	4.8	0.65	1
p-Chloro-m-cresol	ND		ug/l	1.9	0.59	1
2-Chlorophenol	ND		ug/l	1.9	0.60	1
2,4-Dichlorophenol	ND		ug/l	4.8	0.73	1
2,4-Dimethylphenol	ND		ug/l	4.8	1.6	1
2-Nitrophenol	ND		ug/l	9.6	1.4	1
4-Nitrophenol	ND		ug/l	9.6	1.7	1
2,4-Dinitrophenol	ND		ug/l	19	5.2	1
4,6-Dinitro-o-cresol	ND		ug/l	9.6	2.0	1
Phenol	ND		ug/l	4.8	1.8	1
2-Methylphenol	ND		ug/l	4.8	0.97	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.8	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.8	0.68	1
Benzoic Acid	ND		ug/l	48	12.	1
Benzyl Alcohol	ND		ug/l	1.9	0.69	1
Carbazole	ND		ug/l	1.9	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 18:15
Analyst: KV

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.42		ug/l	0.11	0.04	1
2-Chloronaphthalene	ND		ug/l	0.22	0.04	1
Fluoranthene	0.05	J	ug/l	0.22	0.04	1
Hexachlorobutadiene	ND		ug/l	0.56	0.04	1
Naphthalene	ND		ug/l	0.22	0.05	1
Benzo(a)anthracene	ND		ug/l	0.22	0.02	1
Benzo(a)pyrene	ND		ug/l	0.22	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.22	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.22	0.05	1
Chrysene	ND		ug/l	0.22	0.04	1
Acenaphthylene	ND		ug/l	0.22	0.04	1
Anthracene	0.85		ug/l	0.22	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.22	0.05	1
Fluorene	2.0		ug/l	0.22	0.04	1
Phenanthrene	3.7		ug/l	0.22	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.22	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.22	0.05	1
Pyrene	0.13	J	ug/l	0.22	0.05	1
2-Methylnaphthalene	ND		ug/l	0.22	0.05	1
Pentachlorophenol	ND		ug/l	0.90	0.25	1
Hexachlorobenzene	ND		ug/l	0.90	0.04	1
Hexachloroethane	ND		ug/l	0.90	0.03	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	66		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/21/16 03:32
Analyst: AL

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.9	0.65	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.66	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.72	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.72	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.70	1
3,3'-Dichlorobenzidine	ND		ug/l	4.9	1.4	1
2,4-Dinitrotoluene	ND		ug/l	4.9	0.84	1
2,6-Dinitrotoluene	ND		ug/l	4.9	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.72	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.69	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	0.62	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	4.9	0.59	1
Nitrobenzene	ND		ug/l	2.0	0.74	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	0.69	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.90	1
Butyl benzyl phthalate	ND		ug/l	4.9	1.2	1
Di-n-butylphthalate	ND		ug/l	4.9	0.68	1
Di-n-octylphthalate	ND		ug/l	4.9	1.1	1
Diethyl phthalate	ND		ug/l	4.9	0.62	1
Dimethyl phthalate	ND		ug/l	4.9	0.64	1
Biphenyl	ND		ug/l	2.0	0.75	1
4-Chloroaniline	ND		ug/l	4.9	0.62	1
2-Nitroaniline	ND		ug/l	4.9	1.1	1
3-Nitroaniline	ND		ug/l	4.9	1.1	1
4-Nitroaniline	ND		ug/l	4.9	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.65	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.9	0.66	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	4.9	0.84	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	0.67	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.62	1
2,4-Dichlorophenol	ND		ug/l	4.9	0.76	1
2,4-Dimethylphenol	ND		ug/l	4.9	1.6	1
2-Nitrophenol	ND		ug/l	9.9	1.5	1
4-Nitrophenol	ND		ug/l	9.9	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	9.9	2.1	1
Phenol	ND		ug/l	4.9	1.9	1
2-Methylphenol	ND		ug/l	4.9	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.9	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	0.71	1
Benzoic Acid	ND		ug/l	49	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	44		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	60		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 18:47
Analyst: KV

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.16		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.49	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	0.39		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	0.89		ug/l	0.20	0.04	1
Phenanthrene	1.8		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	0.07	J	ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.04	1
Pentachlorophenol	ND		ug/l	0.79	0.22	1
Hexachlorobenzene	ND		ug/l	0.79	0.03	1
Hexachloroethane	ND		ug/l	0.79	0.03	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	48		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	46		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/21/16 03:57
Analyst: AL

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	4.9	0.65	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.66	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.72	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.72	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.70	1
3,3'-Dichlorobenzidine	ND		ug/l	4.9	1.4	1
2,4-Dinitrotoluene	ND		ug/l	4.9	0.84	1
2,6-Dinitrotoluene	ND		ug/l	4.9	1.1	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.72	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.69	1
Bis(2-chloroethoxy)methane	ND		ug/l	4.9	0.62	1
Hexachlorocyclopentadiene	ND		ug/l	20	7.8	1
Isophorone	ND		ug/l	4.9	0.59	1
Nitrobenzene	ND		ug/l	2.0	0.74	1
NDPA/DPA	ND		ug/l	2.0	0.64	1
n-Nitrosodi-n-propylamine	ND		ug/l	4.9	0.69	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.90	1
Butyl benzyl phthalate	ND		ug/l	4.9	1.2	1
Di-n-butylphthalate	ND		ug/l	4.9	0.68	1
Di-n-octylphthalate	ND		ug/l	4.9	1.1	1
Diethyl phthalate	ND		ug/l	4.9	0.62	1
Dimethyl phthalate	ND		ug/l	4.9	0.64	1
Biphenyl	ND		ug/l	2.0	0.75	1
4-Chloroaniline	ND		ug/l	4.9	0.62	1
2-Nitroaniline	ND		ug/l	4.9	1.1	1
3-Nitroaniline	ND		ug/l	4.9	1.1	1
4-Nitroaniline	ND		ug/l	4.9	1.3	1
Dibenzofuran	ND		ug/l	2.0	0.65	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	9.9	0.66	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	4.9	0.84	1
2,4,6-Trichlorophenol	ND		ug/l	4.9	0.67	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.61	1
2-Chlorophenol	ND		ug/l	2.0	0.62	1
2,4-Dichlorophenol	ND		ug/l	4.9	0.76	1
2,4-Dimethylphenol	ND		ug/l	4.9	1.6	1
2-Nitrophenol	ND		ug/l	9.9	1.5	1
4-Nitrophenol	ND		ug/l	9.9	1.8	1
2,4-Dinitrophenol	ND		ug/l	20	5.4	1
4,6-Dinitro-o-cresol	ND		ug/l	9.9	2.1	1
Phenol	ND		ug/l	4.9	1.9	1
2-Methylphenol	ND		ug/l	4.9	1.0	1
3-Methylphenol/4-Methylphenol	ND		ug/l	4.9	1.1	1
2,4,5-Trichlorophenol	ND		ug/l	4.9	0.71	1
Benzoic Acid	ND		ug/l	49	13.	1
Benzyl Alcohol	ND		ug/l	2.0	0.72	1
Carbazole	ND		ug/l	2.0	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	60		10-120
4-Terphenyl-d14	61		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 19:17
Analyst: KV

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.04	1
2-Chloronaphthalene	ND		ug/l	0.20	0.04	1
Fluoranthene	ND		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.49	0.04	1
Naphthalene	ND		ug/l	0.20	0.04	1
Benzo(a)anthracene	ND		ug/l	0.20	0.02	1
Benzo(a)pyrene	ND		ug/l	0.20	0.04	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04	1
Chrysene	ND		ug/l	0.20	0.04	1
Acenaphthylene	ND		ug/l	0.20	0.04	1
Anthracene	ND		ug/l	0.20	0.04	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.04	1
Fluorene	ND		ug/l	0.20	0.04	1
Phenanthrene	ND		ug/l	0.20	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04	1
Pyrene	ND		ug/l	0.20	0.04	1
2-Methylnaphthalene	ND		ug/l	0.20	0.04	1
Pentachlorophenol	ND		ug/l	0.79	0.22	1
Hexachlorobenzene	ND		ug/l	0.79	0.03	1
Hexachloroethane	ND		ug/l	0.79	0.03	1

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	57		10-120
4-Terphenyl-d14	57		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/21/16 00:56
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG904881-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.66
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.67
1,2-Dichlorobenzene	ND		ug/l	2.0	0.73
1,3-Dichlorobenzene	ND		ug/l	2.0	0.73
1,4-Dichlorobenzene	ND		ug/l	2.0	0.71
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.4
2,4-Dinitrotoluene	ND		ug/l	5.0	0.84
2,6-Dinitrotoluene	ND		ug/l	5.0	1.1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.62
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.73
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.70
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.63
Hexachlorocyclopentadiene	ND		ug/l	20	7.8
Isophorone	ND		ug/l	5.0	0.60
Nitrobenzene	ND		ug/l	2.0	0.75
NDPA/DPA	ND		ug/l	2.0	0.64
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.70
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	0.91
Butyl benzyl phthalate	ND		ug/l	5.0	1.3
Di-n-butylphthalate	ND		ug/l	5.0	0.69
Di-n-octylphthalate	ND		ug/l	5.0	1.1
Diethyl phthalate	ND		ug/l	5.0	0.63
Dimethyl phthalate	ND		ug/l	5.0	0.65
Biphenyl	ND		ug/l	2.0	0.76
4-Chloroaniline	ND		ug/l	5.0	0.63
2-Nitroaniline	ND		ug/l	5.0	1.1
3-Nitroaniline	ND		ug/l	5.0	1.1
4-Nitroaniline	ND		ug/l	5.0	1.3
Dibenzofuran	ND		ug/l	2.0	0.66

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/21/16 00:56
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG904881-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.67
Acetophenone	ND		ug/l	5.0	0.85
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.68
p-Chloro-m-cresol	ND		ug/l	2.0	0.62
2-Chlorophenol	ND		ug/l	2.0	0.63
2,4-Dichlorophenol	ND		ug/l	5.0	0.77
2,4-Dimethylphenol	ND		ug/l	5.0	1.6
2-Nitrophenol	ND		ug/l	10	1.5
4-Nitrophenol	ND		ug/l	10	1.8
2,4-Dinitrophenol	ND		ug/l	20	5.5
4,6-Dinitro-o-cresol	ND		ug/l	10	2.1
Phenol	ND		ug/l	5.0	1.9
2-Methylphenol	ND		ug/l	5.0	1.0
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	1.1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.72
Benzoic Acid	ND		ug/l	50	13.
Benzyl Alcohol	ND		ug/l	2.0	0.72
Carbazole	ND		ug/l	2.0	0.63

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	85		41-149

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 15:43
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG904882-1					
Acenaphthene	ND		ug/l	0.10	0.04
2-Chloronaphthalene	ND		ug/l	0.20	0.04
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.04
Naphthalene	0.09	J	ug/l	0.20	0.04
Benzo(a)anthracene	ND		ug/l	0.20	0.02
Benzo(a)pyrene	ND		ug/l	0.20	0.04
Benzo(b)fluoranthene	ND		ug/l	0.20	0.02
Benzo(k)fluoranthene	ND		ug/l	0.20	0.04
Chrysene	ND		ug/l	0.20	0.04
Acenaphthylene	ND		ug/l	0.20	0.04
Anthracene	ND		ug/l	0.20	0.04
Benzo(ghi)perylene	ND		ug/l	0.20	0.04
Fluorene	ND		ug/l	0.20	0.04
Phenanthrene	ND		ug/l	0.20	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.04
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.20	0.04
Pyrene	ND		ug/l	0.20	0.04
2-Methylnaphthalene	0.08	J	ug/l	0.20	0.05
Pentachlorophenol	ND		ug/l	0.80	0.22
Hexachlorobenzene	ND		ug/l	0.80	0.03
Hexachloroethane	ND		ug/l	0.80	0.03

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/20/16 15:43
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 05:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-05 Batch: WG904882-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	66		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG904881-2 WG904881-3								
Benzidine	0	Q	0	Q	10-75	NC		30
1,2,4-Trichlorobenzene	76		78		39-98	3		30
Bis(2-chloroethyl)ether	82		83		40-140	1		30
1,2-Dichlorobenzene	70		71		40-140	1		30
1,3-Dichlorobenzene	67		67		40-140	0		30
1,4-Dichlorobenzene	69		69		36-97	0		30
3,3'-Dichlorobenzidine	76		72		40-140	5		30
2,4-Dinitrotoluene	96		107	Q	24-96	11		30
2,6-Dinitrotoluene	98		105		40-140	7		30
Azobenzene	93		100		40-140	7		30
4-Chlorophenyl phenyl ether	85		90		40-140	6		30
4-Bromophenyl phenyl ether	88		96		40-140	9		30
Bis(2-chloroisopropyl)ether	86		89		40-140	3		30
Bis(2-chloroethoxy)methane	91		94		40-140	3		30
Hexachlorocyclopentadiene	56		59		40-140	5		30
Isophorone	93		97		40-140	4		30
Nitrobenzene	91		92		40-140	1		30
NitrosoDiPhenylAmine(NDPA)/DPA	88		94		40-140	7		30
n-Nitrosodi-n-propylamine	93		96		29-132	3		30
Bis(2-Ethylhexyl)phthalate	103		112		40-140	8		30
Butyl benzyl phthalate	98		105		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG904881-2 WG904881-3								
Di-n-butylphthalate	95		102		40-140	7		30
Di-n-octylphthalate	112		120		40-140	7		30
Diethyl phthalate	92		101		40-140	9		30
Dimethyl phthalate	93		100		40-140	7		30
Biphenyl	100		103		40-140	3		30
4-Chloroaniline	58		35	Q	40-140	49	Q	30
2-Nitroaniline	102		107		52-143	5		30
3-Nitroaniline	64		69		25-145	8		30
4-Nitroaniline	89		96		51-143	8		30
Dibenzofuran	84		90		40-140	7		30
1,2,4,5-Tetrachlorobenzene	92		94		2-134	2		30
Acetophenone	103		104		39-129	1		30
n-Nitrosodimethylamine	50		46		22-74	8		30
2,4,6-Trichlorophenol	96		100		30-130	4		30
P-Chloro-M-Cresol	98	Q	102	Q	23-97	4		30
2-Chlorophenol	83		83		27-123	0		30
2,4-Dichlorophenol	93		96		30-130	3		30
2,4-Dimethylphenol	83		59		30-130	34	Q	30
2-Nitrophenol	92		96		30-130	4		30
4-Nitrophenol	69		76		10-80	10		30
2,4-Dinitrophenol	86		91		20-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG904881-2 WG904881-3								
4,6-Dinitro-o-cresol	90		98		20-164	9		30
Phenol	47		46		12-110	2		30
2-Methylphenol	78		78		30-130	0		30
3-Methylphenol/4-Methylphenol	78		80		30-130	3		30
2,4,5-Trichlorophenol	92		98		30-130	6		30
Benzoic Acid	49		42		10-164	15		30
Benzyl Alcohol	81		81		26-116	0		30
Carbazole	87		94		55-144	8		30
Parathion, ethyl	138		147	Q	40-140	6		30
Atrazine	140		152	Q	40-140	8		30
Caprolactam	36		37		10-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		57		21-120
Phenol-d6	46		46		10-120
Nitrobenzene-d5	91		91		23-120
2-Fluorobiphenyl	84		85		15-120
2,4,6-Tribromophenol	87		92		10-120
4-Terphenyl-d14	83		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG904882-2 WG904882-3								
Acenaphthene	79		75		37-111	5		40
2-Chloronaphthalene	72		69		40-140	4		40
Fluoranthene	85		79		40-140	7		40
Hexachlorobutadiene	59		57		40-140	3		40
Naphthalene	70		67		40-140	4		40
Benzo(a)anthracene	92		85		40-140	8		40
Benzo(a)pyrene	90		84		40-140	7		40
Benzo(b)fluoranthene	91		85		40-140	7		40
Benzo(k)fluoranthene	84		78		40-140	7		40
Chrysene	90		83		40-140	8		40
Acenaphthylene	77		74		40-140	4		40
Anthracene	86		81		40-140	6		40
Benzo(ghi)perylene	89		83		40-140	7		40
Fluorene	84		79		40-140	6		40
Phenanthrene	86		81		40-140	6		40
Dibenzo(a,h)anthracene	95		88		40-140	8		40
Indeno(1,2,3-cd)pyrene	93		86		40-140	8		40
Pyrene	78		72		26-127	8		40
1-Methylnaphthalene	76		72		40-140	5		40
2-Methylnaphthalene	75		72		40-140	4		40
Pentachlorophenol	87		81		9-103	7		40

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-05 Batch: WG904882-2 WG904882-3								
Hexachlorobenzene	79		75		40-140	5		40
Hexachloroethane	66		64		40-140	3		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		46		21-120
Phenol-d6	39		35		10-120
Nitrobenzene-d5	77		71		23-120
2-Fluorobiphenyl	67		62		15-120
2,4,6-Tribromophenol	68		61		10-120
4-Terphenyl-d14	67		60		41-149

PCBS

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/20/16 23:27
Analyst: JW

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	40		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/20/16 23:41
Analyst: JW

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/20/16 23:55
Analyst: JW

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/21/16 00:08
Analyst: JW

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/20/16 22:16
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 08:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/17/16
Cleanup Method: EPA 3660B
Cleanup Date: 06/17/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG904954-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG904954-2 WG904954-3									
Aroclor 1016	83		75		40-140	11		50	A
Aroclor 1260	80		77		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		61		30-150	A
Decachlorobiphenyl	92		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		64		30-150	B
Decachlorobiphenyl	80		79		30-150	B

PESTICIDES

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/19/16 16:15
Analyst: AL

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/19/16 16:31
Analyst: AL

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND	PI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/19/16 16:47
Analyst: AL

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND	PI	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/19/16 17:04
Analyst: AL

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.020	0.005	1	A
Lindane	ND		ug/l	0.020	0.004	1	A
Alpha-BHC	ND		ug/l	0.020	0.004	1	A
Beta-BHC	ND		ug/l	0.020	0.006	1	A
Heptachlor	ND		ug/l	0.020	0.003	1	A
Aldrin	ND		ug/l	0.020	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	1	A
Endrin	ND		ug/l	0.040	0.004	1	A
Endrin aldehyde	ND		ug/l	0.040	0.008	1	A
Endrin ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	ND		ug/l	0.040	0.004	1	A
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	ND		ug/l	0.040	0.004	1	A
Endosulfan I	ND		ug/l	0.020	0.003	1	A
Endosulfan II	ND		ug/l	0.040	0.005	1	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	1	A
Methoxychlor	ND		ug/l	0.200	0.007	1	A
Toxaphene	ND		ug/l	0.200	0.063	1	A
cis-Chlordane	ND		ug/l	0.020	0.007	1	A
trans-Chlordane	ND		ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/19/16 15:09
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG904876-1						
Delta-BHC	ND		ug/l	0.020	0.005	A
Lindane	ND		ug/l	0.020	0.004	A
Alpha-BHC	ND		ug/l	0.020	0.004	A
Beta-BHC	ND		ug/l	0.020	0.006	A
Heptachlor	ND		ug/l	0.020	0.003	A
Aldrin	ND		ug/l	0.020	0.002	A
Heptachlor epoxide	ND		ug/l	0.020	0.004	A
Endrin	ND		ug/l	0.040	0.004	A
Endrin aldehyde	ND		ug/l	0.040	0.008	A
Endrin ketone	ND		ug/l	0.040	0.005	A
Dieldrin	ND		ug/l	0.040	0.004	A
4,4'-DDE	ND		ug/l	0.040	0.004	A
4,4'-DDD	ND		ug/l	0.040	0.005	A
4,4'-DDT	ND		ug/l	0.040	0.004	A
Endosulfan I	ND		ug/l	0.020	0.003	A
Endosulfan II	ND		ug/l	0.040	0.005	A
Endosulfan sulfate	ND		ug/l	0.040	0.005	A
Methoxychlor	ND		ug/l	0.200	0.007	A
Toxaphene	ND		ug/l	0.200	0.063	A
cis-Chlordane	ND		ug/l	0.020	0.007	A
trans-Chlordane	ND		ug/l	0.020	0.006	A
Chlordane	ND		ug/l	0.200	0.046	A

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/19/16 15:09
Analyst: AL

Extraction Method: EPA 3510C
Extraction Date: 06/17/16 03:51
Cleanup Method: EPA 3620B
Cleanup Date: 06/20/16

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03-05 Batch: WG904876-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG904876-2 WG904876-3									
Delta-BHC	97		100		30-150	3		20	A
Lindane	91		96		30-150	5		20	A
Alpha-BHC	96		100		30-150	4		20	A
Beta-BHC	96		101		30-150	5		20	A
Heptachlor	92		95		30-150	3		20	A
Aldrin	86		89		30-150	3		20	A
Heptachlor epoxide	100		105		30-150	5		20	A
Endrin	93		97		30-150	5		20	A
Endrin aldehyde	94		97		30-150	3		20	A
Endrin ketone	105		108		30-150	3		20	A
Dieldrin	92		97		30-150	5		20	A
4,4'-DDE	91		96		30-150	5		20	A
4,4'-DDD	94		98		30-150	4		20	A
4,4'-DDT	100		104		30-150	4		20	A
Endosulfan I	104		109		30-150	5		20	A
Endosulfan II	103		106		30-150	3		20	A
Endosulfan sulfate	100		104		30-150	4		20	A
Methoxychlor	111		114		30-150	3		20	A
cis-Chlordane	90		95		30-150	5		20	A
trans-Chlordane	92		97		30-150	5		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03-05 Batch: WG904876-2 WG904876-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	A
Decachlorobiphenyl	87		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		74		30-150	B
Decachlorobiphenyl	86		85		30-150	B

METALS

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	68.8		mg/l	2.00	0.338	200	06/18/16 05:25	06/21/16 13:21	EPA 3005A	1,6020A	TT
Antimony, Total	0.0009	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0189		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Barium, Total	1.164		mg/l	0.0100	0.0013	20	06/18/16 05:25	06/21/16 09:53	EPA 3005A	1,6020A	TT
Beryllium, Total	0.0082		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Cadmium, Total	0.0019		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Calcium, Total	79.4		mg/l	2.00	0.640	20	06/18/16 05:25	06/21/16 09:53	EPA 3005A	1,6020A	TT
Chromium, Total	0.8549		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0972		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Copper, Total	0.2862		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Iron, Total	235		mg/l	1.00	0.240	20	06/18/16 05:25	06/21/16 09:53	EPA 3005A	1,6020A	TT
Lead, Total	0.6176		mg/l	0.0200	0.0026	20	06/18/16 05:25	06/21/16 09:53	EPA 3005A	1,6020A	TT
Magnesium, Total	35.8		mg/l	0.070	0.022	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Manganese, Total	12.81		mg/l	0.2000	0.0604	200	06/18/16 05:25	06/21/16 13:21	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:30	EPA 7470A	1,7470A	EA
Nickel, Total	0.1943		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Potassium, Total	10.0		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Selenium, Total	0.049		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Silver, Total	0.0006		mg/l	0.0003	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Sodium, Total	38.9		mg/l	0.100	0.016	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Thallium, Total	0.0008		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Vanadium, Total	0.2031		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 09:56	EPA 3005A	1,6020A	TT
Zinc, Total	0.7132		mg/l	0.2000	0.0512	20	06/18/16 05:25	06/21/16 09:53	EPA 3005A	1,6020A	TT
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.003	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Antimony, Dissolved	ND		mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Arsenic, Dissolved	0.0005	J	mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Barium, Dissolved	0.0663		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Cadmium, Dissolved	0.0001	J	mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-01
Client ID: MW-1
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 12:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	49.8		mg/l	2.00	0.640	20	06/20/16 14:50	06/21/16 13:50	EPA 3005A	1,6020A	TT
Chromium, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Cobalt, Dissolved	0.0023		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Iron, Dissolved	ND		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Magnesium, Dissolved	9.45		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Manganese, Dissolved	1.108		mg/l	0.0200	0.0060	20	06/20/16 14:50	06/21/16 13:50	EPA 3005A	1,6020A	TT
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:14	EPA 7470A	1,7470A	BV
Nickel, Dissolved	0.0060		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Potassium, Dissolved	2.32		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Sodium, Dissolved	46.4		mg/l	0.100	0.016	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 14:04	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	48.3		mg/l	2.00	0.338	200	06/18/16 05:25	06/21/16 13:35	EPA 3005A	1,6020A	TT
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0425		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Barium, Total	1.010		mg/l	0.0100	0.0013	20	06/18/16 05:25	06/21/16 10:28	EPA 3005A	1,6020A	TT
Beryllium, Total	0.0077		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Cadmium, Total	0.0006		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Calcium, Total	112		mg/l	2.00	0.640	20	06/18/16 05:25	06/21/16 10:28	EPA 3005A	1,6020A	TT
Chromium, Total	0.2210		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Cobalt, Total	0.1272		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Copper, Total	0.1963		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Iron, Total	122		mg/l	1.00	0.240	20	06/18/16 05:25	06/21/16 10:28	EPA 3005A	1,6020A	TT
Lead, Total	0.1562		mg/l	0.0010	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Magnesium, Total	58.0		mg/l	1.40	0.446	20	06/18/16 05:25	06/21/16 10:28	EPA 3005A	1,6020A	TT
Manganese, Total	10.40		mg/l	0.2000	0.0604	200	06/18/16 05:25	06/21/16 13:35	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:32	EPA 7470A	1,7470A	EA
Nickel, Total	0.3017		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Potassium, Total	15.1		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Selenium, Total	0.029		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Silver, Total	0.0002	J	mg/l	0.0004	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Sodium, Total	41.7		mg/l	0.100	0.016	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Thallium, Total	0.0006		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Vanadium, Total	0.2777		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 10:25	EPA 3005A	1,6020A	TT
Zinc, Total	0.3582		mg/l	0.2000	0.0512	20	06/18/16 05:25	06/21/16 10:28	EPA 3005A	1,6020A	TT
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.003	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Antimony, Dissolved	0.0001	J	mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Arsenic, Dissolved	0.0015		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Barium, Dissolved	0.0993		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-02
Client ID: MW-2
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 13:30
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	72.5		mg/l	2.00	0.640	20	06/20/16 14:50	06/21/16 14:10	EPA 3005A	1,6020A	TT
Chromium, Dissolved	0.0003	J	mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Cobalt, Dissolved	0.0060		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Copper, Dissolved	0.0004	J	mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Iron, Dissolved	0.055		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Magnesium, Dissolved	31.4		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Manganese, Dissolved	4.630		mg/l	0.0200	0.0060	20	06/20/16 14:50	06/21/16 14:10	EPA 3005A	1,6020A	TT
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:23	EPA 7470A	1,7470A	BV
Nickel, Dissolved	0.0798		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Potassium, Dissolved	6.27		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Sodium, Dissolved	37.8		mg/l	0.100	0.016	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Vanadium, Dissolved	0.0014	J	mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT
Zinc, Dissolved	0.0026	J	mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 14:07	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	86.7		mg/l	2.00	0.338	200	06/18/16 05:25	06/21/16 13:38	EPA 3005A	1,6020A	TT
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0151		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Barium, Total	3.344		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Beryllium, Total	0.0057		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Cadmium, Total	0.0025		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Calcium, Total	124		mg/l	2.00	0.640	20	06/18/16 05:25	06/21/16 10:34	EPA 3005A	1,6020A	TT
Chromium, Total	0.2355		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0929		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Copper, Total	0.1860		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Iron, Total	198		mg/l	1.00	0.240	20	06/18/16 05:25	06/21/16 10:34	EPA 3005A	1,6020A	TT
Lead, Total	0.1232		mg/l	0.0010	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Magnesium, Total	33.8		mg/l	0.070	0.022	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Manganese, Total	15.77		mg/l	0.2000	0.0604	200	06/18/16 05:25	06/21/16 13:38	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:34	EPA 7470A	1,7470A	EA
Nickel, Total	0.1905		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Potassium, Total	10.7		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Selenium, Total	0.047		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Silver, Total	0.0002	J	mg/l	0.0004	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Sodium, Total	141		mg/l	2.00	0.322	20	06/18/16 05:25	06/21/16 10:34	EPA 3005A	1,6020A	TT
Thallium, Total	0.0007		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Vanadium, Total	0.1775		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Zinc, Total	0.2982		mg/l	0.0100	0.0026	1	06/18/16 05:25	06/21/16 10:31	EPA 3005A	1,6020A	TT
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.009	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Antimony, Dissolved	0.0001	J	mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Arsenic, Dissolved	0.0007		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Barium, Dissolved	0.2257		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Cadmium, Dissolved	0.0002	J	mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-03
Client ID: MW-4
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 14:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	110		mg/l	2.00	0.640	20	06/20/16 14:50	06/21/16 14:16	EPA 3005A	1,6020A	TT
Chromium, Dissolved	0.0004	J	mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Cobalt, Dissolved	0.0047		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Copper, Dissolved	0.0016		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Iron, Dissolved	0.066		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Magnesium, Dissolved	17.3		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Manganese, Dissolved	3.970		mg/l	0.0200	0.0060	20	06/20/16 14:50	06/21/16 14:16	EPA 3005A	1,6020A	TT
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:25	EPA 7470A	1,7470A	BV
Nickel, Dissolved	0.0129		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Potassium, Dissolved	5.09		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Selenium, Dissolved	0.002	J	mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Sodium, Dissolved	150		mg/l	2.00	0.322	20	06/20/16 14:50	06/21/16 14:16	EPA 3005A	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 14:13	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	65.3		mg/l	2.00	0.338	200	06/18/16 05:25	06/21/16 13:40	EPA 3005A	1,6020A	TT
Antimony, Total	0.0002	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Arsenic, Total	0.0109		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Barium, Total	2.674		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Beryllium, Total	0.0042		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Cadmium, Total	0.0012		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Calcium, Total	84.3		mg/l	0.100	0.032	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Chromium, Total	0.1968		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Cobalt, Total	0.0920		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Copper, Total	0.1290		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Iron, Total	126		mg/l	0.050	0.012	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Lead, Total	0.0879		mg/l	0.0010	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Magnesium, Total	31.4		mg/l	0.070	0.022	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Manganese, Total	13.54		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:36	EPA 7470A	1,7470A	EA
Nickel, Total	0.1743		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Potassium, Total	10.4		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Selenium, Total	0.033		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Sodium, Total	152		mg/l	2.00	0.322	20	06/18/16 05:25	06/21/16 10:40	EPA 3005A	1,6020A	TT
Thallium, Total	0.0007		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Vanadium, Total	0.1578		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Zinc, Total	0.2267		mg/l	0.0100	0.0026	1	06/18/16 05:25	06/21/16 10:37	EPA 3005A	1,6020A	TT
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.003	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Antimony, Dissolved	ND		mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Arsenic, Dissolved	0.0005	J	mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Barium, Dissolved	0.3136		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Cadmium, Dissolved	0.0001	J	mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-04
Client ID: DUP061616
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 14:45
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	103		mg/l	2.00	0.640	20	06/20/16 14:50	06/21/16 14:23	EPA 3005A	1,6020A	TT
Chromium, Dissolved	0.0003	J	mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Cobalt, Dissolved	0.0061		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Copper, Dissolved	0.0014		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Iron, Dissolved	0.076		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Magnesium, Dissolved	17.6		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Manganese, Dissolved	4.540		mg/l	0.0200	0.0060	20	06/20/16 14:50	06/21/16 14:23	EPA 3005A	1,6020A	TT
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:27	EPA 7470A	1,7470A	BV
Nickel, Dissolved	0.0130		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Potassium, Dissolved	4.82		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Sodium, Dissolved	139		mg/l	2.00	0.322	20	06/20/16 14:50	06/21/16 14:23	EPA 3005A	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 14:19	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.002	J	mg/l	0.010	0.002	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Barium, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Chromium, Total	ND		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Cobalt, Total	ND		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Manganese, Total	0.0004	J	mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:37	EPA 7470A	1,7470A	EA
Nickel, Total	0.0006	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Sodium, Total	ND		mg/l	0.100	0.016	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Zinc, Total	0.0096	J	mg/l	0.0100	0.0026	1	06/18/16 05:25	06/21/16 10:57	EPA 3005A	1,6020A	TT
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.002	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Antimony, Dissolved	ND		mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Arsenic, Dissolved	0.0002	J	mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Barium, Dissolved	0.0001	J	mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

SAMPLE RESULTS

Lab ID: L1618336-05
Client ID: FB061516
Sample Location: FLUSHING
Matrix: Water

Date Collected: 06/15/16 15:00
Date Received: 06/15/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	ND		mg/l	0.100	0.032	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Chromium, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Cobalt, Dissolved	ND		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Iron, Dissolved	ND		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Magnesium, Dissolved	ND		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Manganese, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:29	EPA 7470A	1,7470A	BV
Nickel, Dissolved	0.0009	J	mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Potassium, Dissolved	ND		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Sodium, Dissolved	ND		mg/l	0.100	0.016	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 12:46	EPA 3005A	1,6020A	TT



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG904988-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/17/16 10:22	06/20/16 16:00	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): 01-05 Batch: WG905305-1										
Aluminum, Total	ND		mg/l	0.010	0.002	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Arsenic, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Calcium, Total	ND		mg/l	0.100	0.032	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Chromium, Total	0.0003	J	mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Cobalt, Total	ND		mg/l	0.0002	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Iron, Total	ND		mg/l	0.050	0.012	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Nickel, Total	0.0007	J	mg/l	0.0020	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Potassium, Total	ND		mg/l	0.100	0.019	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Selenium, Total	ND		mg/l	0.005	0.001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Sodium, Total	ND		mg/l	0.100	0.016	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/18/16 05:25	06/21/16 09:41	1,6020A	TT

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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
Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG905723-1										
Aluminum, Dissolved	0.008	J	mg/l	0.010	0.002	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Antimony, Dissolved	ND		mg/l	0.0020	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Arsenic, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Barium, Dissolved	0.0001	J	mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Calcium, Dissolved	ND		mg/l	0.100	0.032	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Chromium, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Cobalt, Dissolved	ND		mg/l	0.0002	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Copper, Dissolved	ND		mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Iron, Dissolved	ND		mg/l	0.050	0.012	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Magnesium, Dissolved	ND		mg/l	0.070	0.022	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Manganese, Dissolved	0.0009	J	mg/l	0.0010	0.0003	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Nickel, Dissolved	0.0001	J	mg/l	0.0010	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Potassium, Dissolved	ND		mg/l	0.100	0.019	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Sodium, Dissolved	ND		mg/l	0.100	0.016	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/20/16 14:50	06/21/16 12:43	1,6020A	TT

Prep Information

Digestion Method: EPA 3005A



Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 01-05 Batch: WG906067-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/21/16 09:00	06/21/16 12:11	1,7470A	BV

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG904988-2								
Mercury, Total	109		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG905305-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	94	-	80-120	-	
Arsenic, Total	98	-	80-120	-	
Barium, Total	97	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	97	-	80-120	-	
Lead, Total	109	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	96	-	80-120	-	
Potassium, Total	106	-	80-120	-	
Selenium, Total	85	-	80-120	-	
Silver, Total	93	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG905305-2					
Zinc, Total	90	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG905723-2					
Aluminum, Dissolved	99	-	80-120	-	
Antimony, Dissolved	98	-	80-120	-	
Arsenic, Dissolved	98	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	96	-	80-120	-	
Cadmium, Dissolved	100	-	80-120	-	
Calcium, Dissolved	99	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	92	-	80-120	-	
Copper, Dissolved	94	-	80-120	-	
Iron, Dissolved	90	-	80-120	-	
Lead, Dissolved	108	-	80-120	-	
Magnesium, Dissolved	107	-	80-120	-	
Manganese, Dissolved	91	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	102	-	80-120	-	
Selenium, Dissolved	92	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	100	-	80-120	-	
Vanadium, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG905723-2					
Zinc, Dissolved	91	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG906067-2					
Mercury, Dissolved	110	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG904988-3 WG904988-4 QC Sample: L1618065-06 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00494	99		0.00484	97		75-125	2		20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG905305-4			QC Sample: L1618336-01		Client ID: MW-1		
Aluminum, Total	68.8	2	80.3	575	Q	-	-	75-125	-	20
Antimony, Total	0.0009J	0.5	0.2788	56	Q	-	-	75-125	-	20
Arsenic, Total	0.0189	0.12	0.1086	75		-	-	75-125	-	20
Barium, Total	1.164	2	3.125	98		-	-	75-125	-	20
Beryllium, Total	0.0082	0.05	0.0588	101		-	-	75-125	-	20
Cadmium, Total	0.0019	0.051	0.0562	106		-	-	75-125	-	20
Calcium, Total	79.4	10	87.2	78		-	-	75-125	-	20
Chromium, Total	0.8549	0.2	1.157	151	Q	-	-	75-125	-	20
Cobalt, Total	0.0972	0.5	0.5480	90		-	-	75-125	-	20
Copper, Total	0.2862	0.25	0.5189	93		-	-	75-125	-	20
Iron, Total	235.	1	220	1500	Q	-	-	75-125	-	20
Lead, Total	0.6176	0.51	1.129	100		-	-	75-125	-	20
Magnesium, Total	35.8	10	51.4	156	Q	-	-	75-125	-	20
Manganese, Total	12.81	0.5	15.86	610	Q	-	-	75-125	-	20
Nickel, Total	0.1943	0.5	0.6607	93		-	-	75-125	-	20
Potassium, Total	10.0	10	20.9	109		-	-	75-125	-	20
Selenium, Total	0.049	0.12	0.121	60	Q	-	-	75-125	-	20
Silver, Total	0.0006	0.05	0.0481	95		-	-	75-125	-	20
Sodium, Total	38.9	10	48.9	100		-	-	75-125	-	20
Thallium, Total	0.0008	0.12	0.1169	97		-	-	75-125	-	20
Vanadium, Total	0.2031	0.5	0.6463	89		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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: WG905305-4 QC Sample: L1618336-01 Client ID: MW-1									
Zinc, Total	0.7132	0.5	1.160	89	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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): 01-05 QC Batch ID: WG905723-4 QC Sample: L1618788-01 Client ID: MS Sample									
Aluminum, Dissolved	0.011	2	2.12	105	-	-	75-125	-	20
Antimony, Dissolved	0.0013J	0.5	0.5070	101	-	-	75-125	-	20
Arsenic, Dissolved	0.0009	0.12	0.1176	97	-	-	75-125	-	20
Barium, Dissolved	0.3042	2	2.318	101	-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0499	100	-	-	75-125	-	20
Cadmium, Dissolved	ND	0.051	0.0531	104	-	-	75-125	-	20
Calcium, Dissolved	97.7	10	98.3	6	Q	-	75-125	-	20
Chromium, Dissolved	ND	0.2	0.1862	93	-	-	75-125	-	20
Cobalt, Dissolved	0.0007	0.5	0.4667	93	-	-	75-125	-	20
Copper, Dissolved	0.0010J	0.25	0.2438	98	-	-	75-125	-	20
Iron, Dissolved	0.012J	1	0.765	76	-	-	75-125	-	20
Lead, Dissolved	ND	0.51	0.5515	108	-	-	75-125	-	20
Magnesium, Dissolved	10.0	10	20.7	107	-	-	75-125	-	20
Manganese, Dissolved	0.4100	0.5	0.9151	101	-	-	75-125	-	20
Nickel, Dissolved	0.0026	0.5	0.4787	95	-	-	75-125	-	20
Potassium, Dissolved	3.46	10	13.6	101	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.060	50	Q	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0480	96	-	-	75-125	-	20
Sodium, Dissolved	50.1	10	57.1	70	Q	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1212	101	-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5154	103	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

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): 01-05 QC Batch ID: WG905723-4 QC Sample: L1618788-01 Client ID: MS Sample									
Zinc, Dissolved	0.0380	0.5	0.5067	94	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG906067-4 QC Sample: L1618336-01 Client ID: MW-1									
Mercury, Dissolved	ND	0.005	0.00529	106	-	-	75-125	-	20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905305-3 QC Sample: L1618336-01 Client ID: MW-1						
Aluminum, Total	68.8	68.3	mg/l	1		20
Manganese, Total	12.81	14.73	mg/l	14		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905305-3 QC Sample: L1618336-01 Client ID: MW-1						
Antimony, Total	0.0009J	0.0005	mg/l	NC		20
Arsenic, Total	0.0189	0.0228	mg/l	19		20
Beryllium, Total	0.0082	0.00790	mg/l	4		20
Cadmium, Total	0.0019	0.00190	mg/l	1		20
Cobalt, Total	0.0972	0.0930	mg/l	4		20
Copper, Total	0.2862	0.2701	mg/l	6		20
Magnesium, Total	35.8	35.4	mg/l	1		20
Nickel, Total	0.1943	0.1803	mg/l	7		20
Potassium, Total	10.0	9.16	mg/l	9		20
Selenium, Total	0.049	0.054	mg/l	10		20
Silver, Total	0.0006	0.0005	mg/l	22	Q	20
Sodium, Total	38.9	40.0	mg/l	3		20
Thallium, Total	0.0008	0.0008	mg/l	3		20
Vanadium, Total	0.2031	0.1849	mg/l	9		20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905305-3 QC Sample: L1618336-01 Client ID: MW-1					
Barium, Total	1.164	1.206	mg/l	4	20
Calcium, Total	79.4	81.0	mg/l	2	20
Chromium, Total	0.8549	0.9266	mg/l	8	20
Iron, Total	235.	204	mg/l	14	20
Lead, Total	0.6176	0.5988	mg/l	3	20
Zinc, Total	0.7132	0.6590	mg/l	8	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905723-3 QC Sample: L1618788-01 Client ID: DUP Sample					
Calcium, Dissolved	97.7	83.9	mg/l	15	20
Sodium, Dissolved	50.1	45.6	mg/l	9	20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905723-3 QC Sample: L1618788-01 Client ID: DUP Sample					
Aluminum, Dissolved	0.011	0.013	mg/l	9	20
Antimony, Dissolved	0.0013J	0.0006J	mg/l	NC	20
Arsenic, Dissolved	0.0009	0.0006	mg/l	41	Q 20
Barium, Dissolved	0.3042	0.3184	mg/l	5	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Chromium, Dissolved	ND	ND	mg/l	NC	20
Cobalt, Dissolved	0.0007	0.0008	mg/l	11	20
Copper, Dissolved	0.0010J	0.0011	mg/l	NC	20
Iron, Dissolved	0.012J	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	10.0	10.8	mg/l	8	20
Manganese, Dissolved	0.4100	0.4308	mg/l	5	20
Nickel, Dissolved	0.0026	0.0033	mg/l	25	Q 20
Potassium, Dissolved	3.46	3.82	mg/l	10	20
Selenium, Dissolved	ND	ND	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis Batch Quality Control

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG905723-3 QC Sample: L1618788-01 Client ID: DUP Sample					
Zinc, Dissolved	0.0380	0.0390	mg/l	3	20
Dissolved Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG906067-3 QC Sample: L1618336-01 Client ID: MW-1					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Project Name: AAFE
Project Number: 2741.0001Y000

Lab Number: L1618336
Report Date: 06/21/16

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler

A Absent
 B Absent
 C Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1618336-01A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1618336-01B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1618336-01C	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1618336-01D	Plastic 250ml HNO3 preserved	A	<2	2.0	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)
L1618336-01E	Plastic 250ml unpreserved	A	7	2.0	Y	Absent	-
L1618336-01F	Amber 500ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8081(7)
L1618336-01G	Amber 500ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8081(7)
L1618336-01I	Amber 1000ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-01J	Amber 1000ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-01K	Amber 1000ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-01Q	Plastic 120ml HNO3 preserved Fil	A	<2	2.0	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)
L1618336-02A	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1618336-02B	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)
L1618336-02C	Vial HCl preserved	A	N/A	2.0	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: AAFE
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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1618336-02D	Plastic 250ml HNO3 preserved	A	<2	2.0	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)
L1618336-02E	Plastic 250ml unpreserved	A	7	2.0	Y	Absent	-
L1618336-02F	Amber 1000ml unpreserved	A	7	2.0	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-02Q	Plastic 120ml HNO3 preserved Fil	A	<2	2.0	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)
L1618336-03A	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-03B	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-03C	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-03D	Plastic 250ml HNO3 preserved	B	<2	2.7	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)
L1618336-03E	Plastic 250ml unpreserved	B	7	2.7	Y	Absent	-
L1618336-03F	Amber 500ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8081(7)
L1618336-03G	Amber 500ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8081(7)
L1618336-03H	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-03J	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-03K	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1618336-03Q	Plastic 120ml HNO3 preserved Fil	B	<2	2.7	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)
L1618336-04A	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-04B	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-04C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-04D	Plastic 250ml HNO3 preserved	C	<2	2.5	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)
L1618336-04E	Plastic 250ml unpreserved	C	7	2.5	Y	Absent	-
L1618336-04F	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1618336-04G	Amber 500ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8081(7)
L1618336-04H	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-04I	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-04J	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-04K	Amber 1000ml unpreserved	C	7	2.5	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-04Q	Plastic 120ml HNO3 preserved Fil	C	<2	2.5	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)
L1618336-05A	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-05B	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



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Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1618336-05C	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-05D	Plastic 250ml HNO3 preserved	B	<2	2.7	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)
L1618336-05E	Plastic 250ml unpreserved	B	7	2.7	Y	Absent	-
L1618336-05F	Amber 500ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8081(7)
L1618336-05G	Amber 500ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8081(7)
L1618336-05H	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1618336-05J	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-05K	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8082-1200ML(7)
L1618336-05Q	Plastic 120ml HNO3 preserved Fil	B	<2	2.7	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)
L1618336-06A	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-06B	Vial HCl preserved	B	N/A	2.7	Y	Absent	NYTCL-8260(14)
L1618336-06C	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-06D	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-06E	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-06F	Vial HCl preserved	C	N/A	2.5	Y	Absent	NYTCL-8260(14)
L1618336-06X	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8260(7)
L1618336-06Y	Amber 1000ml unpreserved	B	7	2.7	Y	Absent	NYTCL-8260(7)

*Values in parentheses indicate holding time in days



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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).
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.
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

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.

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.

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

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

- 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.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

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 524.2: 1,2-Dibromo-3-chloropropane, 1,2-Dibromoethane, m/p-xylene, o-xylene

EPA 624: 2-Butanone (MEK), 1,4-Dioxane, tert-Amylmethyl Ether, tert-Butyl Alcohol, m/p-xylene, o-xylene

EPA 625: Aniline, Benzoic Acid, Benzyl Alcohol, 4-Chloroaniline, 3-Methylphenol, 4-Methylphenol.

EPA 1010A: NPW: Ignitability

EPA 6010C: NPW: Strontium; SCM: Strontium

EPA 8151A: NPW: 2,4-DB, Dicamba, Dichloroprop, MCPA, MCPP; SCM: 2,4-DB, Dichloroprop, MCPA, MCPP

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

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

EPA 9010: NPW: Amenable Cyanide Distillation, Total Cyanide Distillation

EPA 9038: NPW: Sulfate

EPA 9050A: NPW: Specific Conductance

EPA 9056: NPW: Chloride, Nitrate, Sulfate

EPA 9065: NPW: Phenols

EPA 9251: NPW: Chloride

SM3500: NPW: Ferrous Iron

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

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

EPA 8270D: NPW: Biphenyl; SCM: Biphenyl, Caprolactam

EPA 8270D-SIM Isotope Dilution: SCM: 1,4-Dioxane

SM 2540D: TSS

SM2540G: SCM: Percent Solids

EPA 1631E: SCM: Mercury

EPA 7474: SCM: Mercury

EPA 8081B: NPW and SCM: Mirex, Hexachlorobenzene.

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

EPA 8270-SIM: NPW and SCM: Alkylated PAHs.

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, n-Butylbenzene, n-Propylbenzene, sec-Butylbenzene, tert-Butylbenzene.

Biological Tissue Matrix: **8270D-SIM; 3050B; 3051A; 7471B; 8081B; 8082A; 6020A:** Lead; **8270D:** bis(2-ethylhexyl)phthalate, Butylbenzylphthalate, Diethyl phthalate, Dimethyl phthalate, Di-n-butyl phthalate, Di-n-octyl phthalate, Fluoranthene, Pentachlorophenol.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Ti; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: 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.

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

Non-Potable Water

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

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

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH₃-BH, EPA

350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO₃-F,**

EPA 353.2: Nitrate-N, **SM4500NH₃-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D,**

EPA 1664, SM14 510AC, 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, SM9222D-MF.**

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

 NEW YORK CHAIN OF CUSTODY		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 <u>1</u> of <u>1</u>		Date Rec'd in Lab <u>6/15/16</u>		ALPHA Job # <u>L1618336</u>																																																																																																																																																																																																																																																																																					
		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		Project Information Project Name: <u>AAFE</u> Project Location: <u>Flushing</u> Project # <u>2741.0001Y000</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>Roux Associates, Inc</u> Address: <u>209 Shafter St.</u> <u>Stamford, NY 11749</u> Phone: <u>631-332-2600</u> Fax: <u>631-332-9898</u> Email: <u>mroux@rouxinc.com</u>		Project Manager: <u>Mike Roux</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of 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:		ANALYSIS TCL VOCs 8200C NMTCL SVOCs 8270C TCL Pest 8081B TCL PCB 8082A TAL MET (TOT) 6020 TAL MET (DISS) 6020		Sample Filtration ☐ Done ☒ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles																																																																																																																																																																																																																																																																																							
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<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> <th colspan="6"></th> <th rowspan="2"></th> <th rowspan="2"></th> </tr> <tr> <th>Date</th> <th>Time</th> <th colspan="6"></th> </tr> </thead> <tbody> <tr> <td>18336-01</td> <td>MW-1</td> <td>6/15/16</td> <td>1200</td> <td>GW</td> <td>RL/MP</td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> <td></td> <td></td> </tr> <tr> <td>02</td> <td>MW-2</td> <td></td> <td>1330</td> <td>GW</td> <td></td> <td>X</td><td>X</td><td></td><td></td><td>X</td><td>X</td> <td></td> <td></td> </tr> <tr> <td>03</td> <td>MW-4</td> <td></td> <td>1400</td> <td>GW</td> <td></td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> <td></td> <td></td> </tr> <tr> <td>04</td> <td>DUPD 6/15/16</td> <td></td> <td>1445</td> <td>GW</td> <td></td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> <td></td> <td></td> </tr> <tr> <td>05</td> <td>FB 6/15/16</td> <td></td> <td>1500</td> <td>GW</td> <td></td> <td>X</td><td>X</td><td>X</td><td>X</td><td>X</td><td>X</td> <td></td> <td></td> </tr> <tr> <td>06</td> <td>Trip Blank</td> <td></td> <td>—</td> <td>TB</td> <td>—</td> <td>X</td><td></td><td></td><td></td><td></td><td></td> <td></td> <td></td> </tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td> </td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials									Date	Time							18336-01	MW-1	6/15/16	1200	GW	RL/MP	X	X	X	X	X	X			02	MW-2		1330	GW		X	X			X	X			03	MW-4		1400	GW		X	X	X	X	X	X			04	DUPD 6/15/16		1445	GW		X	X	X	X	X	X			05	FB 6/15/16		1500	GW		X	X	X	X	X	X			06	Trip Blank		—	TB	—	X																																																																																																																																																																																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: <u>V A A A P P</u> Preservative: <u>B A A A C A</u>		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.)	
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ANALYTICAL REPORT

Lab Number:	L1639366
Client:	Roux Associates, Inc. 209 Shafter Street Islandia, NY 11749-5074
ATTN:	Michael Roux
Phone:	(631) 232-2600
Project Name:	ASIAN AMERICANS FOR EQUALITY
Project Number:	2741Y.0001Y105.1
Report Date:	12/09/16

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: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1639366-01	SV-201	SOIL_VAPOR	133-04 39TH AVENUE FLUSHING, NY	12/05/16 12:18	12/05/16
L1639366-02	SV-202	SOIL_VAPOR	133-04 39TH AVENUE FLUSHING, NY	12/05/16 11:35	12/05/16

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

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: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on December 2, 2016. The canister certification results are provided as an addendum.

The WG959350-3 LCS recovery for Hexachlorobutadiene (134%) is above the upper 130% acceptance limit. The response for this compound was elevated however it was not detected in any of the associated samples therefore no further action was 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:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 12/09/16

AIR

Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-01
 Client ID: SV-201
 Sample Location: 133-04 39TH AVENUE FLUSHING, N
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 12/08/16 23:06
 Analyst: RY

Date Collected: 12/05/16 12:18
 Date Received: 12/05/16
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.425	0.200	--	2.10	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.04	1.00	--	16.7	2.38	--		1
Trichlorofluoromethane	0.309	0.200	--	1.74	1.12	--		1
Isopropanol	1.08	0.500	--	2.65	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.03	0.500	--	3.12	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.785	0.200	--	2.44	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	0.295	0.200	--	1.06	0.721	--		1
2-Butanone	0.973	0.500	--	2.87	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-01

Date Collected: 12/05/16 12:18

Client ID: SV-201

Date Received: 12/05/16

Sample Location: 133-04 39TH AVENUE FLUSHING, N

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	1.10	0.200	--	5.37	0.977	--		1
Tetrahydrofuran	0.524	0.500	--	1.55	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.781	0.200	--	2.75	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.275	0.200	--	0.879	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.427	0.200	--	1.47	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	1.17	0.200	--	6.29	1.07	--		1
2,2,4-Trimethylpentane	1.03	0.200	--	4.81	0.934	--		1
Heptane	0.281	0.200	--	1.15	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	15.2	0.200	--	57.3	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.01	0.200	--	6.85	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	1.33	0.200	--	5.78	0.869	--		1
p/m-Xylene	3.43	0.400	--	14.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.244	0.200	--	1.04	0.852	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-01

Date Collected: 12/05/16 12:18

Client ID: SV-201

Date Received: 12/05/16

Sample Location: 133-04 39TH AVENUE FLUSHING, N

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.25	0.200	--	14.1	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.609	0.200	--	3.66	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	94		60-140
chlorobenzene-d5	95		60-140



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-02
Client ID: SV-202
Sample Location: 133-04 39TH AVENUE FLUSHING, N
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 12/08/16 23:39
Analyst: RY

Date Collected: 12/05/16 11:35
Date Received: 12/05/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.399	0.200	--	1.97	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	6.06	5.00	--	11.4	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	4.14	1.00	--	9.83	2.38	--		1
Trichlorofluoromethane	0.353	0.200	--	1.98	1.12	--		1
Isopropanol	3.29	0.500	--	8.09	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.52	0.500	--	4.61	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	0.611	0.500	--	1.80	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-02

Date Collected: 12/05/16 11:35

Client ID: SV-202

Date Received: 12/05/16

Sample Location: 133-04 39TH AVENUE FLUSHING, N

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.500	0.500	--	1.47	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.252	0.200	--	0.888	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.240	0.200	--	0.826	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	0.405	0.200	--	1.46	0.721	--		1
Trichloroethene	2.44	0.200	--	13.1	1.07	--		1
2,2,4-Trimethylpentane	0.659	0.200	--	3.08	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	23.6	0.200	--	88.9	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.411	0.200	--	2.79	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.738	0.200	--	3.21	0.869	--		1
p/m-Xylene	3.31	0.400	--	14.4	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.226	0.200	--	0.962	0.852	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**SAMPLE RESULTS**

Lab ID: L1639366-02

Date Collected: 12/05/16 11:35

Client ID: SV-202

Date Received: 12/05/16

Sample Location: 133-04 39TH AVENUE FLUSHING, N

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	3.68	0.200	--	16.0	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	0.500	0.200	--	3.01	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	96		60-140
chlorobenzene-d5	95		60-140



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/08/16 14:22

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959350-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/08/16 14:22

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959350-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 12/08/16 14:22

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-02 Batch: WG959350-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY

Project Number: 2741Y.0001Y105.1

Lab Number: L1639366

Report Date: 12/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959350-3								
Chlorodifluoromethane	94		-		70-130	-		
Propylene	106		-		70-130	-		
Propane	91		-		70-130	-		
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	94		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	102		-		70-130	-		
Methanol	75		-		70-130	-		
Vinyl chloride	97		-		70-130	-		
1,3-Butadiene	100		-		70-130	-		
Butane	90		-		70-130	-		
Bromomethane	102		-		70-130	-		
Chloroethane	97		-		70-130	-		
Ethyl Alcohol	92		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Vinyl bromide	102		-		70-130	-		
Acrolein	78		-		70-130	-		
Acetone	78		-		70-130	-		
Acetonitrile	87		-		70-130	-		
Trichlorofluoromethane	114		-		70-130	-		
iso-Propyl Alcohol	86		-		70-130	-		
Acrylonitrile	85		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959350-3								
Pentane	84		-		70-130	-		
Ethyl ether	81		-		70-130	-		
1,1-Dichloroethene	102		-		70-130	-		
tert-Butyl Alcohol	92		-		70-130	-		
Methylene chloride	98		-		70-130	-		
3-Chloropropene	100		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	107		-		70-130	-		
trans-1,2-Dichloroethene	96		-		70-130	-		
1,1-Dichloroethane	108		-		70-130	-		
Methyl tert butyl ether	104		-		70-130	-		
Vinyl acetate	126		-		70-130	-		
2-Butanone	105		-		70-130	-		
cis-1,2-Dichloroethene	128		-		70-130	-		
Ethyl Acetate	104		-		70-130	-		
Chloroform	110		-		70-130	-		
Tetrahydrofuran	95		-		70-130	-		
2,2-Dichloropropane	94		-		70-130	-		
1,2-Dichloroethane	108		-		70-130	-		
n-Hexane	97		-		70-130	-		
Isopropyl Ether	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY

Project Number: 2741Y.0001Y105.1

Lab Number: L1639366

Report Date: 12/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959350-3								
Ethyl-Tert-Butyl-Ether	89		-		70-130	-		
1,1,1-Trichloroethane	104		-		70-130	-		
1,1-Dichloropropene	98		-		70-130	-		
Benzene	100		-		70-130	-		
Carbon tetrachloride	111		-		70-130	-		
Cyclohexane	96		-		70-130	-		
Tertiary-Amyl Methyl Ether	90		-		70-130	-		
Dibromomethane	100		-		70-130	-		
1,2-Dichloropropane	105		-		70-130	-		
Bromodichloromethane	105		-		70-130	-		
1,4-Dioxane	103		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	100		-		70-130	-		
Methyl Methacrylate	76		-		70-130	-		
Heptane	96		-		70-130	-		
cis-1,3-Dichloropropene	109		-		70-130	-		
4-Methyl-2-pentanone	98		-		70-130	-		
trans-1,3-Dichloropropene	92		-		70-130	-		
1,1,2-Trichloroethane	109		-		70-130	-		
Toluene	105		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959350-3								
2-Hexanone	103		-		70-130	-		
Dibromochloromethane	113		-		70-130	-		
1,2-Dibromoethane	111		-		70-130	-		
Butyl Acetate	96		-		70-130	-		
Octane	96		-		70-130	-		
Tetrachloroethene	110		-		70-130	-		
1,1,1,2-Tetrachloroethane	102		-		70-130	-		
Chlorobenzene	109		-		70-130	-		
Ethylbenzene	108		-		70-130	-		
p/m-Xylene	109		-		70-130	-		
Bromoform	114		-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	114		-		70-130	-		
o-Xylene	111		-		70-130	-		
1,2,3-Trichloropropane	105		-		70-130	-		
Nonane (C9)	97		-		70-130	-		
Isopropylbenzene	107		-		70-130	-		
Bromobenzene	103		-		70-130	-		
o-Chlorotoluene	104		-		70-130	-		
n-Propylbenzene	104		-		70-130	-		
p-Chlorotoluene	104		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY

Project Number: 2741Y.0001Y105.1

Lab Number: L1639366

Report Date: 12/09/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 Batch: WG959350-3								
4-Ethyltoluene	105		-		70-130	-		
1,3,5-Trimethylbenzene	112		-		70-130	-		
tert-Butylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	116		-		70-130	-		
Decane (C10)	100		-		70-130	-		
Benzyl chloride	116		-		70-130	-		
1,3-Dichlorobenzene	115		-		70-130	-		
1,4-Dichlorobenzene	115		-		70-130	-		
sec-Butylbenzene	105		-		70-130	-		
p-Isopropyltoluene	97		-		70-130	-		
1,2-Dichlorobenzene	117		-		70-130	-		
n-Butylbenzene	109		-		70-130	-		
1,2-Dibromo-3-chloropropane	111		-		70-130	-		
Undecane	107		-		70-130	-		
Dodecane (C12)	117		-		70-130	-		
1,2,4-Trichlorobenzene	129		-		70-130	-		
Naphthalene	119		-		70-130	-		
1,2,3-Trichlorobenzene	128		-		70-130	-		
Hexachlorobutadiene	134	Q	-		70-130	-		

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1639366
Report Date: 12/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG959350-5 QC Sample: L1639496-01 Client ID: DUP Sample						
Propylene	0.602	0.573	ppbV	5		25
Dichlorodifluoromethane	0.382	0.329	ppbV	15		25
Chloromethane	0.515	0.492	ppbV	5		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
Vinyl chloride	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	35.9	34.6	ppbV	4		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	32.4	31.7	ppbV	2		25
Trichlorofluoromethane	0.267	0.245	ppbV	9		25
iso-Propyl Alcohol	10.0	9.65	ppbV	4		25
1,1-Dichloroethene	ND	ND	ppbV	NC		25
Methylene chloride	ND	ND	ppbV	NC		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY

Project Number: 2741Y.0001Y105.1

Lab Number: L1639366

Report Date: 12/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG959350-5 QC Sample: L1639496-01 Client ID: DUP Sample					
1,1-Dichloroethane	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
Vinyl acetate	ND	ND	ppbV	NC	25
2-Butanone	2.48	2.45	ppbV	1	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	2.68	2.51	ppbV	7	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
Benzene	0.289	0.316	ppbV	9	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
Xylene (Total)	27.6	27.2	ppbV	1	25
Trichloroethene	ND	ND	ppbV	NC	25

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1639366
Report Date: 12/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG959350-5 QC Sample: L1639496-01 Client ID: DUP Sample					
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
Heptane	0.288	0.286	ppbV	1	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.952	0.943	ppbV	1	25
2-Hexanone	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Tetrachloroethene	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	4.82	4.80	ppbV	0	25
p/m-Xylene	21.1	20.9	ppbV	1	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.314	0.320	ppbV	2	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	6.47	6.22	ppbV	4	25
4-Ethyltoluene	ND	ND	ppbV	NC	25

Lab Duplicate Analysis Batch Quality Control

Project Name: ASIAN AMERICANS FOR EQUALITY

Project Number: 2741Y.0001Y105.1

Lab Number: L1639366

Report Date: 12/09/16

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG959350-5 QC Sample: L1639496-01 Client ID: DUP Sample					
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	0.228	0.231	ppbV	1	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Naphthalene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: ASIAN AMERICANS FOR EQUALITY

Serial_No:12091613:39
Lab Number: L1639366

Project Number: 2741Y.0001Y105.1

Report Date: 12/09/16

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1639366-01	SV-201	0714	#30 SV	12/02/16	233157		-	-	-	Pass	17.7	16.0	10
L1639366-01	SV-201	487	2.7L Can	12/02/16	233157	L1637601-01	Pass	-29.1	-2.5	-	-	-	-
L1639366-02	SV-202	0067	#20 SV	12/02/16	233157		-	-	-	Pass	17.5	19.4	10
L1639366-02	SV-202	539	2.7L Can	12/02/16	233157	L1637601-01	Pass	-29.1	-1.6	-	-	-	-

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15
Analytical Date: 11/19/16 15:42
Analyst: MB

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	5.00	--	ND	9.42	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Diisopropyl ether	ND	0.200	--	ND	0.836	--		1
tert-Butyl Ethyl Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
tert-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
2-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
4-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1637601**Project Number:** CANISTER QC BAT**Report Date:** 12/09/16**Air Canister Certification Results**

Lab ID: L1637601-01

Date Collected: 11/17/16 16:00

Client ID: CAN 473 SHELF 15

Date Received: 11/18/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	87		60-140
Bromochloromethane	92		60-140
chlorobenzene-d5	90		60-140

Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:
Matrix: Air
Analytical Method: 48,TO-15-SIM
Analytical Date: 11/19/16 15:42
Analyst: MB

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
Freon-113	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name: BATCH CANISTER CERTIFICATION
Project Number: CANISTER QC BAT

Lab Number: L1637601
Report Date: 12/09/16

Air Canister Certification Results

Lab ID: L1637601-01
Client ID: CAN 473 SHELF 15
Sample Location:

Date Collected: 11/17/16 16:00
Date Received: 11/18/16
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.100	--	ND	0.461	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethybenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name: BATCH CANISTER CERTIFICATION**Lab Number:** L1637601**Project Number:** CANISTER QC BAT**Report Date:** 12/09/16**Air Canister Certification Results**

Lab ID: L1637601-01

Date Collected: 11/17/16 16:00

Client ID: CAN 473 SHELF 15

Date Received: 11/18/16

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	95		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	99		60-140

Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1639366-01A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1639366-02A	Canister - 2.7 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

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).
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.
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

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.

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.

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

Report Format: Data Usability Report



Project Name: ASIAN AMERICANS FOR EQUALITY**Lab Number:** L1639366**Project Number:** 2741Y.0001Y105.1**Report Date:** 12/09/16**Data Qualifiers**

- 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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
 - ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: ASIAN AMERICANS FOR EQUALITY
Project Number: 2741Y.0001Y105.1

Lab Number: L1639366
Report Date: 12/09/16

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

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: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

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

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

SM 2540D: TSS

EPA 3005A NPW

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: 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, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **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, SM9222D-MF.**

Mansfield Facility:

Drinking Water

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

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.



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

AIR ANALYSIS

PAGE 1 OF 1

Project Information

Project Name: Asian Americans for Equality (AAFE)

Project Location: 133-04 39th Avenue, Flushing, NY

Project #: 27414.00014105.1

Project Manager: Michael Roux

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed if pre-approved!)

Date Due:

Time:

Date Rec'd in Lab: 12/6/16

Report Information - Data Deliverables

☐ FAX☐ ADEX

Criteria Checker: _____

(Default based on Regulatory Criteria Indicated)

Other Formats: _____

☒ EMAIL (standard pdf report)☐ Additional Deliverables: _____

Report to: (if different than Project Manager)

ALPHA Job #: L1639366

Billing Information

☒ Same as Client info

PO #:

Regulatory Requirements/Report Limits

State/Fed	Program	Res / Comm

ANALYSIS

TO-15
TO-15 SIM
APH
Fixed Gases
Sulfides & Mercaptans by TO-15

Client Information

Client: Roux Associates, Inc.

Address: 209 Shafter Street

Islandia, New York 11749

Phone: (631) 232-2600

Fax: (631) 232-9898

Email: mroux@rouxinc.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project-Specific Target Compound List: ☐

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	COLLECTION					Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-15	TO-15	APH	Fixed	Sulfides			Sample Comments (i.e. PID)
		End Date	Start Time	End Time	Initial Vacuum	Final Vacuum													
39366-01	SV-201	12/5/16	09:45	12:18	-29.71	-2.99	SV	DF/KA	2.7L	487	FC0714	X							
-02.	SV-202	12/5/16	09:35	11:35	-30.08	-2.65	SV	DF/KA	2.7L	539	FC0067	X							
							</												

*SAMPLE MATRIX CODES

AA = Ambient Air (Indoor/Outdoor)

SV = Soil Vapor/Landfill Gas/SVE

Other = Please Specify

Container Type

SV

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:

Date/Time

Received By:

Date/Time:

Douglas Ferraicelli
Steve Pina
N. Vlachos

12/5/16 14:00
12/5/16 23:12
12-6-16 02:34

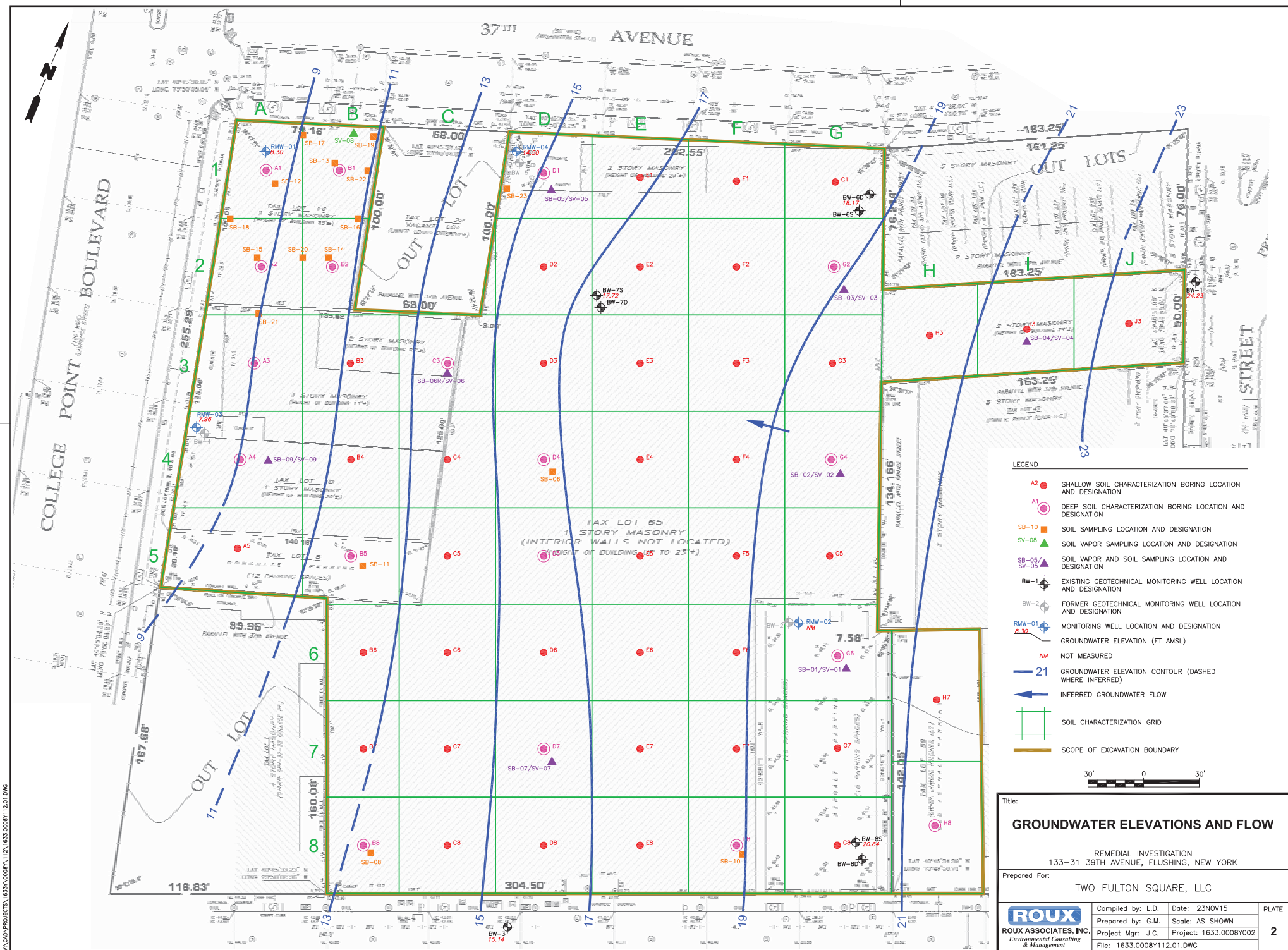
Steve Pina
N. Vlachos
R. Pina

12/5/16 14:00
12-5-16 23:12
12/6/16 02:34

APPENDIX F

Local Groundwater Elevations and Flow

V:\CADD\PROJECTS\1633\0008Y112\1633.0008Y112.01.DWG



LEGEND

- A2 ● SHALLOW SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- A1 ● DEEP SOIL CHARACTERIZATION BORING LOCATION AND DESIGNATION
- SB-10 ● SOIL SAMPLING LOCATION AND DESIGNATION
- SV-08 ▲ SOIL VAPOR SAMPLING LOCATION AND DESIGNATION
- SB-05 ▲ SOIL VAPOR AND SOIL SAMPLING LOCATION AND DESIGNATION
- BW-1 ● EXISTING GEOTECHNICAL MONITORING WELL LOCATION AND DESIGNATION
- BW-2 ● FORMER GEOTECHNICAL MONITORING WELL LOCATION AND DESIGNATION
- RW-01 ● MONITORING WELL LOCATION AND DESIGNATION
- 6.30 ● GROUNDWATER ELEVATION (FT AMSL)
- NM ● NOT MEASURED
- 21 - - - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- ➔ INFERRED GROUNDWATER FLOW
- SOIL CHARACTERIZATION GRID
- SCOPE OF EXCAVATION BOUNDARY

Title:
GROUNDWATER ELEVATIONS AND FLOW

REMEDIAL INVESTIGATION
133-31 39TH AVENUE, FLUSHING, NEW YORK

Prepared For:
TWO FULTON SQUARE, LLC

ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: L.D.	Date: 23NOV15	PLATE 2
	Prepared by: G.M.	Scale: AS SHOWN	
	Project Mgr: J.C.	Project: 1633.0008Y002	
File: 1633.0008Y112.01.DWG			

Table 1. Summary of Groundwater Gauging Results, Two Fulton Square, 133-31 39th Avenue, Flushing, New York

Well Designation	Date Measured	Top of Casing Elevation	Depth to Water (ft)	Water Table Elevation
BW-1	10/12/2015	50.53	26.30	24.23
BW-3	10/12/2015	41.94	26.80	15.14
BW-6D	10/12/2015	47.33	29.16	18.17
BW-7S	10/12/2015	47.47	29.75	17.72
BW-8S	10/12/2015	40.45	19.81	20.64
RWW-01	10/12/2015	36.41	28.11	8.30
RMW-02	10/12/2015	46.58	NM	NA
RMW-03	10/12/2015	38.80	30.84	7.96
RMW-04	10/12/2015	47.32	32.82	14.50

NM - Not Measured